

FINAL

**ENVIRONMENTAL CONDITION OF
PROPERTY REPORT**

**RUFUS N. GARRETT, JR.
U.S. ARMY RESERVE CENTER (AR009)
815 WEST 8TH STREET
EL DORADO, ARKANSAS 71730**

Prepared For:

**U.S. Army Corps of Engineers — Louisville District
Engineering Division — Environmental Engineering Branch
600 Dr. Martin Luther King, Jr. Place
Louisville, Kentucky 40202-2232**

February 6, 2007

CERTIFICATION

All information/documentation provided accurately reflects the environmental condition of the property. This Environmental Condition of Property (ECP) Report is in general accordance with the U.S. Department of Defense (DoD) requirements for completion of an ECP.

JAMES WHEELER II
Chief, Environmental Division
90th Regional Readiness Command

DATE

The undersigned certifies the contents of this report are in general accordance with DoD policies for the completion of an ECP.



LENARD P. GUNNELL, P.G.
Project Geologist
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February 6, 2007
DATE

EXECUTIVE SUMMARY

The Terraine-EnSafe Joint Venture (TEJV), under contract to the U.S. Army Corps of Engineers, Louisville District, has prepared this Environmental Condition of Property (ECP) Report for the Rufus N. Garrett, Jr. U.S. Army Reserve (USAR) Center (Facility ID AR009), hereafter referred to as the "Site" or "USAR Center." The Site is located at 815 West 8th Street in El Dorado, Union County, Arkansas.

This ECP Report was conducted in conformance with primary Department of Defense (DoD) and Army guidance, the DoD's Base Redevelopment and Realignment Manual, DoD 4165.77-M, Army regulations and the American Society for Testing and Materials Designation D 6008-96 (2005), *Standard Practice for Conducting Environmental Baseline Surveys*, as secondary guidance when it was not inconsistent with the primary guidance.

This ECP Report details the history of the property, including the USAR and any prior tenant uses of the Site and the resulting environmental condition of the property.

The USAR Center is on 2.83 acres of land with two permanent structures, a 14,400-square-foot Training Building and a 1,455-square-foot Storage Building. The site is currently occupied by Detachment 1 of the 321st Material Management Center.

Based on a review of aerial photographs and U.S. Geological Survey topographical maps dating back to 1936, the Site was an undeveloped lot prior to the U.S. government's purchase in 1959. The two buildings on the Site were constructed in 1961.

Areas of potential environmental concern were reviewed and the TEJV found no significant concerns relating to environmental condition of the Site. The vehicle wash rack on the Site did not have an associated oil-water separator, so the potential exists for residual petroleum products or their derivatives to have been released to the surrounding environment from this location. In accordance with DoD policy defining the classifications (see S.W. Goodman Memorandum dated October 21, 1996), the Site has been classified as Category 2. This classification does not include categorizing the property based on *de minimis* conditions that generally do not present material risk of harm to the public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

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List of Acronyms and Abbreviations

ACM	asbestos-containing material
ADEQ	Arkansas Department of Environmental Quality
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
BRAC	Base Realignment and Closure Act
BRRM	Base Redevelopment and Realignment Manual
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	CERCLA Information System
CFR	Code of Federal Regulations
CORRACTS	Corrective Action Sites
DoD	Department of Defense
EBS	Environmental Baseline Survey
ECCI	Environmental, Compliance & Construction, Inc.
ECP	Environmental Condition of Property
EDR	Environmental Data Resources, Inc.
ERNS	Emergency Response Notification System
FEMA	Federal Emergency Management Agency
HUD	Housing and Urban Development
kg	kilogram
LBP	lead-based paint
LQG	large-quantity generator
LUST	leaking underground storage tank
MEP	military equipment parking
NFRAP	No Further Remedial Action Planned
NPL	National Priorities List
OMS	organizational maintenance shop
OWS	oil-water separator

PCB	polychlorinated biphenyl
pCi/L	picocuries per liter
POL	petroleum, oil, and lubricants
PMT	pole-mounted transformer
POV	privately owned vehicle
PWS	Public Water Supply
RCRA	Resource Conservation and Recovery Act
RQ	reportable quantity
RRC	Regional Readiness Command
SQG	small-quantity generator
TEJV	Terraine-EnSafe Joint Venture
TSD	treatment, storage, and disposal
USACE	U.S. Army Corps of Engineers
USACHPPM	U.S. Army Center for Health Promotion and Preventive Medicine
USAR	U.S. Army Reserve
USDA	U.S. Department of Agriculture
USEPA	U.S. Environmental Protection Agency
USGS	U.S. Geological Survey
UST	underground storage tank
VCP	Voluntary Cleanup Program
VWR	vehicle wash rack

1.0 INTRODUCTION

The Terraine-EnSafe Joint Venture (TEJV), under contract to the U.S. Army Corps of Engineers (USACE) Louisville District, was authorized to prepare an Environmental Condition of Property (ECP) Report for the Rufus N. Garrett, Jr. U.S. Army Reserve (USAR) Center (Facility ID AR009), in response to the Base Realignment and Closure Act (BRAC) 2005 legislation. The work was performed under Contract No. W912QR-04-D-0044, Delivery Order No. 0008. The facility located at 815 West 8th Street in El Dorado, Union County, Arkansas, is hereafter referred to as the "Site" or "USAR Center." In support of the ECP, a visual reconnaissance of the Site was conducted on August 16, 2006. The purpose of the reconnaissance was to visually obtain information indicating the likelihood of recognized environmental conditions in connection with the Site.

1.1 PURPOSE OF ENVIRONMENTAL CONDITION OF PROPERTY

The Military Department with real property accountability shall assess, determine, and document the environmental condition of all transferable property in an ECP Report. This ECP Report is based on readily available information. Pursuant to the Department of Defense's (DoD's) policy, set forth in the Base Redevelopment and Realignment Manual (DoD 4165.66-M, March 1, 2006) Section C8.3 (BRRM), the primary purposes of the ECP Report include the following:

- Provide the Army with information it may use to make disposal decisions.
- Provide the public with information relative to the environmental condition of the property.
- Assist in community planning for the reuse of BRAC property.
- Assist Federal agencies during the property screening process.
- Provide information for prospective buyers.
- Assist prospective new owners in meeting the requirements under U.S. Environmental Protection Agency's (USEPA) "All Appropriate Inquiry" regulations.
- Provide information about completed remedial and corrective actions at the property.
- Assist in determining appropriate responsibilities, asset valuation, and liabilities with other parties to a transaction.

The ECP Report contains the information required to comply with the provisions of 40 Code of Federal Regulations (CFR) Part 373, which require that a notice accompany contracts for the sale of, and deeds entered into, for the transfer of federal property on which any hazardous substance was stored, released or disposed of. The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Section 120(h) stipulates that a notice is required if certain quantities of designated hazardous substances have been stored on the property for one year or more — specifically, quantities exceeding 1,000 kilograms (kg) or the reportable quantity (RQ), whichever is greater, of the substances specified in 40 CFR 302.4 or one kg of acutely hazardous waste as defined in 40 CFR 261.30. A notice is also required if hazardous substances have been disposed of or released on the property in an amount greater than or equal to the RQ. Army Regulation 200-1 requires that the ECP Report address asbestos, lead-based paint (LBP), radon and other substances potentially hazardous to human health.

This ECP Report used the American Society for Testing and Materials (ASTM) Designation D 6008-96 (2005), *Standard Practice for Conducting Environmental Baseline Surveys* as a guideline when not inconsistent with the BRRM, CERCLA § 120, Army regulations and other applicable Army guidance.

1.2 SCOPE OF SERVICES

This ECP covers the 2.83-acre USAR Center located at 815 West 8th Street in El Dorado, Arkansas. The property is bounded by 8th Street and a church to the north; Murphy Street, a residential area, and James Simpson's Garage to the west; 7th Street then residential areas to the south; and residential areas to the east. A general Site location map, Site map, historical topographic maps and historical aerial photographs, and a Federal Emergency Management Agency (FEMA) flood plain map are provided in Appendix A. Appendix B provides photographs taken during the August 16, 2006 Site reconnaissance. Appendix C provides chain-of-title information. Historical environmental documents and reports are provided in Appendix D. The environmental database report is provided in Appendix E.

This ECP Report classifies the property into one of seven DoD Environmental ECP categories as defined by the S.W. Goodman Memorandum dated October 21, 1996. The property classification categories are as follows:

- Category 1: Areas where no release or disposal of hazardous substances or petroleum products has occurred (including no migration of these substances from adjacent areas).
- Category 2: Areas where only release or disposal of petroleum products has occurred.

- Category 3: Areas where release, disposal, and/or migration of hazardous substances has occurred, but at concentrations that do not require a removal or remedial response.
- Category 4: Areas where release, disposal, and/or migration of hazardous substances has occurred, and all removal or remedial actions to protect human health and the environment have been taken.
- Category 5: Areas where release, disposal, and/or migration of hazardous substances has occurred, and removal or remedial actions are underway, but all required remedial actions have not yet been taken.
- Category 6: Areas where release, disposal, and/or migration of hazardous substances has occurred, but required actions have not yet been implemented.
- Category 7: Areas that are not evaluated or require additional evaluation.

1.3 ASSUMPTIONS AND LIMITATIONS

This report was prepared to permit formulation of an opinion of the environmental condition of the Site. Opinions on the environmental conditions at the Site are based on information from the visual reconnaissance, interviews, and collection and review of readily available information. New information or changes in Site use could require a review and possible modification of the findings and conclusions contained in this report.

The information obtained from the USAR, the USAR's representatives, individuals interviewed and prior environmental reports was considered to be accurate unless reasonable inquiries indicated otherwise. Conditions observed were considered representative of similar areas that were not accessible unless otherwise indicated.

This ECP Report presents a summary of readily available information on the environmental conditions of, and concerns relative to, the land, facilities, and real property assets at the USAR Center. Its findings are based on a record search of readily available documents, a thorough review of the applicable and relevant documents, a visual reconnaissance conducted on August 16, 2006, and interviews with personnel knowledgeable about the Site and its history. Extensive environmental investigations, reports, and Site historical documents were reviewed in support of this ECP. Information obtained from these other studies is reflected within this report by reference. A complete list of references is provided as Section 9.0.

All Site buildings were visually inspected during the Site reconnaissance. However, a 100% visual reconnaissance of each building (e.g., attics, crawl spaces, etc.) was not practical due to accessibility restrictions. No sampling or analysis of any media was conducted during this survey.

2.0 SITE LOCATION AND PHYSICAL DESCRIPTION

The visual Site reconnaissance included a driving tour of the facility and the surrounding area, and a walking assessment of the developed area of the Site and buildings including the Training Building and the Storage Building, which was formerly an organizational maintenance shop (OMS). The visual reconnaissance was conducted by TEJV personnel on August 16, 2006, to field-verify information produced in the document review and to identify recognized environmental conditions of property. All roads on the Site accessible by two-wheel drive vehicle were driven during the reconnaissance.

A reconnaissance of the Site perimeter was conducted to evaluate adjacent property uses that could contribute to any environmental contamination detected on the Site. TEJV personnel drove on roads along the perimeter and in the surrounding area to visually identify any contiguous properties that appear, in TEJV's professional judgment, to have contamination that could migrate to the Site. The findings of the perimeter survey are presented in Section 4.0.

2.1 SITE LOCATION

The Site address is 815 West 8th Street in El Dorado, Union County, Arkansas. As shown on Figure 1 in Appendix A, the Site is in a developed area in northwest El Dorado. The Site is bordered by James Simpson's Garage and a residential area to the west, residential areas to the south and east, and a church to the north.

2.2 ASSET INFORMATION

Facility Name and Address: Rufus N. Garrett, Jr. USAR Center
815 West 8th Street
El Dorado, Arkansas 71730

Property Owner: U.S. Government

Date of Ownership: June 18, 1959

Current Occupant: Detachment 1 of the 321st Material Management Center

Zoning: R-1, Single Family Residential

County, State: Union County, Arkansas

USGS Quadrangle: El Dorado West, Arkansas

Section/Township/Range: Section 20, Township 17 South, Range 15 West

Latitude/Longitude: 33° 13' 29.6" N; 92° 40' 30.7" W

Legal Description: All those certain pieces or parcels of land being Lots 12 through 22, Block 1 of F.L. Dumas Subdivision No. 2, situated and lying in the Southeast $\frac{1}{4}$ of the Southwest $\frac{1}{4}$ of Section 20, Township 17 South, Range 15 West in the City of El Dorado, Union County, State of Arkansas.

2.3 PHYSICAL DESCRIPTION

A Site layout of the USAR Center is provided as Figure 2 in Appendix A. Photographs are provided in Appendix B. Photographs 1 through 8 show the adjacent properties. Photographs 9 through 26 show the Training Building area, the interior and exterior of the building, and specific environmental conditions or other Site-specific features. Photographs 27 through 42 show the Storage Building area, the interior and exterior of the building, and specific environmental conditions or other Site-specific features.

The USAR Center is located on 2.83 acres of land with two permanent structures: a 14,400-square-foot Training Building and a 1,455-square-foot Storage Building. Both buildings were constructed in 1961 of concrete block with brick veneer on a concrete slab. During the Site reconnaissance, the painted surfaces were observed to be in good condition and no peeling paint was observed. The present-day Storage Building was originally constructed for use as an OMS. According to USAR personnel, the OMS was converted to the Storage Building in 2000 or 2001.

In addition to the Training Building and Storage Building, the Site also contains five privately owned vehicle (POV) parking lots and a fenced military equipment parking (MEP) area. Two steel, mobile storage container boxes within the MEP fenced area stored field cooking equipment. Approximately one-third of the Site is considered impervious (asphalt parking areas, driveways, concrete walkways, building footprints, etc.) while the remainder is covered by lawn. Vehicle access is via entrances from 7th Street and Murphy Street.

Topographically, the Site slopes from south to north. No signs of erosion, excavation, or fill were observed on the Site. According to USAR personnel, no offsite soil or fill material has been brought onto the Site nor has any significant re-grading occurred on the Site.

The Training Building includes classrooms, a kitchen, restrooms, offices, an arms storage room, and mechanical room. The interior of the building appeared to be well maintained during the August 16, 2006 Site reconnaissance. Classrooms and the kitchen occupy the southern part of the Training Building. No concerns were identified in the classrooms. The kitchen is not in use; a grease trap associated with the kitchen is by the eastern outside wall. During the Site visit, the grease trap was opened and inspected. No grease was observed in the trap and it appeared in good condition. Offices, restrooms, an arms storage room, and a mechanical room occupy the northern part of the Training Building. No concerns were identified in the offices or restrooms. The arms storage room is currently used to store infantry small arms and ammunition.

An indoor firing range was formerly located in the mechanical room of the Training Building. The range was closed in 1996 by American Asbestos, Inc. Details regarding the indoor firing range are presented in Section 3.5.4. The mechanical room is accessible from an outside door only. Four 5-gallon paint cans and 30 to 40 used fluorescent tubes were stored in the room, along with the heating and air-conditioning equipment. According to USAR personnel, used fluorescent tubes are sent offsite for recycling. Small quantities of cleaning chemicals were stored in a janitor's closet. Floor drains in the restrooms and in the kitchen collect condensate from the chillers/refrigerators and facilitate floor cleaning. The floor drains discharge into the public sanitary sewer that serves the Site. No evidence of chemical or petroleum releases was observed inside any room in the Training Building.

Northeast of the Training building is a concrete pad with a Russian anti-aircraft gun confiscated by the unit during the Persian Gulf War. East of the Training Building is a wooden gazebo that was added to the Site in 1996.

The Storage Building is a one-story, rectangular structure located within the chain-link security fencing south of the Training Building. The interior of the Storage Building is an open area separated into sections by chain-link fencing and storage shelves. During the Site visit, the area was being used to store soldiers' field equipment. A concrete block storage room is attached to the Storage Building's southern side. When the building was an OMS, this room was used as a petroleum, oil, and lubricant (POL) storage area. After the building was converted, it was used to store soldiers' field equipment. An out of service forklift and an over-pack drum filled with what appeared to be clean sand were also in this area. A restroom and flammable materials storage room are in the northeastern corner of the building. There were two flammable materials storage cabinets inside the flammable materials storage room, which were being used to store items such as bleach, brake fluid, and paint in small quantities.

A 1998 Historical Architectural Report contained a figure dated August 29, 1998, showing a "Vehicle Wash Rack" north of the Storage Building (former OMS). During the Site visit, no evidence of a vehicle wash rack (VWR) was observed in the location depicted in the 1998 figure. USAR personnel confirmed the VWR was north of the Storage Building and it was reportedly removed when the OMS was converted to the Storage Building. According to previous reports and USAR personnel, an oil-water separator (OWS) was not associated with the VWR. No oil stains or any other stains were observed in what was believed to be the VWR area. The dates the VWR was in place and in use are not known, but it is estimated to be from 1961 to prior to 1994 (a 1994 aerial photograph shows the VWR had already been removed).

North of the Storage Building and within the chain-link security fencing are two steel, mobile storage container boxes used to store field cooking equipment, and the MEP area. There were three vehicles in the MEP area, each with an oil drip pan positioned beneath it. No oil staining or any other staining was observed in the MEP area.

2.4 SITE HYDROLOGY AND GEOLOGY

2.4.1 Surface Water Characteristics

Appendix A provides a topographic map (Figure 1) of the Site and surrounding area. As shown on the map, the Site slopes from south to north and is approximately 234 feet above mean sea level. The Site drains toward 8th Street. Four storm water drains were observed on the Site in the following locations: one each in the northeast corner of both POV lots; one in the MEP area north of the Storage Building; and one in the northwest corner of the property near the intersection of Murphy Street and 8th Street. No surface water bodies are present on the Site or adjacent areas. The nearest surface water body is an unnamed intermittent stream 0.6 mile west. The stream flows to the Smackover Creek, 5.4 miles north-northeast of the Site.

According to the FEMA Flood Insurance Rate Map (Figure 10) for the City of El Dorado, Arkansas (Community-Panel Number 050207 0010 B, November 15, 1979), the Site is in "Zone C." Zone C is defined by FEMA as "areas of minimal flooding." The Site is outside the 100-year and 500-year flood zones.

2.4.2 Hydrogeological Characteristics

Based on the Union County soils map from the U.S. Department of Agriculture (USDA) Natural Resource Conservation Service, the predominant soil types on the Site are:

- ScC — Sacul-Sawyer complex, 1 to 8 percent slopes
- WsC — Warnock-Smithdale complex, 1 to 7 percent slopes

Sacul-Sawyer complex soils are very deep, moderately well-drained soils that formed in loamy and clayey marine sediments. Permeability is slow.

Warnock soils are deep, moderately well-drained soils that formed in loamy marine sediments. Permeability is moderate. Smithdale soils are very deep, well-drained soils that formed in loamy marine sediments.

Sacul-Sawyer complex soils are listed as hydric by the Natural Resource Conservation Service under certain circumstances such as in depressions. Because the Site is not located in a depression, it is not likely that Site soils comprised of Sacul-Sawyer complex soils are hydric. A complete discussion of the occurrence of hydric soils in Sacul-Sawyer complex soils is provided in Appendix D. Warnock-Smithdale complex soils are not listed as hydric by the Natural Resource Conservation Service.

There are three primary aquifers in the El Dorado area. They are the Cockfield, Upper Sparta, and Lower Sparta. The Cockfield aquifer is used primarily as a domestic drinking-water supply. The Upper Sparta is used for industrial and municipal purposes. The Lower Sparta (Greensand) aquifer is used for domestic supply and industrial purposes. According to an Environmental Baseline Survey (EBS) completed

for the Site in March 1995, due to the highly industrialized state of the El Dorado area there are numerous potential threats to groundwater, particularly the shallow Cockfield aquifer. The Arkansas Department of Environmental Quality (ADEQ) and the Arkansas Soil and Water Conservation Commission maintain an extensive groundwater monitoring program for the area. Because the Sparta aquifer is a major source of water supply in much of central and southern Arkansas and northern Louisiana, heavy pumpage from the Sparta aquifer has resulted in substantial drawdown of its potentiometric surface in some areas including the cities of Pine Bluff, Magnolia, and El Dorado.

No wells or springs were observed on the Site. The Site and surrounding area are served with public water by the City of El Dorado. A database search was conducted for federal U.S. Geological Survey (USGS), federal Public Water Supply (PWS) System wells, and state-registered wells within one mile of the Site (see pages A-7 to A-15 in the Environmental Data Resources [EDR] Report in Appendix E). No PWS wells were identified on databases for sites within one mile. One water supply well was reported within one mile. The well was reported to be approximately one-half mile south of the Site and 712 feet deep.

Site-specific groundwater flow direction was not available. However, based on the topography in the Site vicinity, shallow groundwater flow is expected to be generally west to northwest, toward unnamed intermittent streams.

The City of El Dorado is within the Gulf Coastal Plain Physiographic region. Information provided in environmental databases indicated that the lithology underlying the Site consists of the Tertiary-aged Claiborne Group.

2.5 SITE UTILITIES

The Site is served by public utilities. Electric power to the Site is provided by overhead lines from Entergy, Inc. Natural gas is provided by Arkla Gas Company. Potable water, sanitary sewer service, and solid waste disposal are provided by the City of El Dorado municipal services.

2.6 WATER SUPPLY WELLS AND SEPTIC SYSTEMS

As described in Section 2.4.2, there are no PWS System wells within one mile of the Site. Because the Site is served by a public sanitary sewer system, there are no septic systems on the Site, and no known systems were identified in the area.

3.0 SITE HISTORY

3.1 HISTORY OF OWNERSHIP

Land titles for the Site were reviewed back to 1892. Appendix C contains a historical Chain-of-Title Report completed for the Site. Key historical deed transfers within the last 60 years are as follows:

- June 17, 1947 — F. L. Dumas and Delva Dumas to Victor Dumas (Lots 6, 7, 16, and 17)
- August 2, 1950 — F. L. Dumas and Delva Dumas to Victor Dumas (Lots 12, 13, and 14)
- April 26, 1952 — F. L. Dumas and Delva Dumas to Victor Dumas and Augusta Dumas (Lot 15)
- June 18, 1959 — Victor Dumas and Augusta Dumas to United States of America

The Chain-of-Title Report did not identify any leases or environmental liens against the USAR Center property.

3.2 PAST USES AND OPERATIONS

Important events in the facility's development, administration, and mission are summarized in Table 1.

Year	Description
1959	Site property was acquired by the U.S. government
1961	Training Building and OMS were constructed
1996	Gazebo added
2000–2001	OMS converted to Storage Building

Historical information sources suggest that the Site was undeveloped until the U.S. government built the USAR Center in 1961.

Historic uses of the USAR Center included administrative and educational operations, maintenance of military vehicles including vehicle washing, and an indoor firing range. The Site was historically used by reservists for drill activities on various weekends throughout the year. The indoor firing range was closed in 1996 by American Asbestos, Inc. Maintenance activities and vehicle washing ceased when the OMS was converted to the Storage Building in 2000 or 2001.

Historical topographic maps and aerial photographs provide information about the Site and surrounding area. Figures 3, 4, and 5 in Appendix A present topographical maps of the Site and surrounding area dated 1951, 1981, and 1985, respectively. Figures 6 through 9 present aerial photographs of the Site and surrounding areas dated 1936, 1975, 1994, and 2000, respectively.

Pertinent observations on the historical USGS topographic maps are summarized below.

- **1951 (Figure 3).** This figure was produced at a scale of 1:100,000 and does not show sufficient detail to make any site-specific observations. The Site property is shown within the El Dorado city limits.
- **1981 (Figure 4).** This figure shows one building on the Site labeled "Armory". The church is shown north of the Site and adjacent properties are shown as urban development. The building marked "Armory" appears in the same configuration as the Training Building. It is likely that because the Storage Building is smaller than a typical residential structure for this area, it was not specifically shown on this map. Highly urbanized areas are often designated in red (urban development) without detailing the outline of each structure.
- **1985 (Figure 5).** This figure was produced at a scale of 1:100,000 and does not show sufficient detail to make any site-specific observations.

Pertinent observations on the historical aerial photographs are summarized below.

- **1936 (Figure 6).** This figure shows the Site as an undeveloped area. Most of the Site is open field, but it cannot be determined if the land has been or is being used for agricultural purposes. Surrounding properties are undeveloped or agricultural with a few interspersed residences.
- **1975 through 2000 (Figures 7 through 9).** The 1975 aerial photograph shows construction on the Site. Otherwise, these aerial photographs show the Site, adjacent properties, and the surrounding area in the same configuration as observed during the August 16, 2006 Site reconnaissance.

Available business directories including Worley's City Directory, Hudspeth's City Directory, and Polk's City Directory were reviewed by EDR (EDR's research spanned roughly five-year intervals between 1909 through 1993). City directories did not list the Site address from 1963 to 1996. The first listing for the Site address was in 2001. In addition, TEJV reviewed Polk's City Directories dated 1961, 1975, and 1981 at the El Dorado Tax Assessor's office. The Site address was not listed for any of those years. City directories could not be reviewed at the local public library because it was closed due to a recent fire. Despite the first listing of the Site in 2001, other historical information shows the Site was developed in 1961.

No historical Sanborn fire insurance maps were available for this Site.

3.3 PAST USE, STORAGE, DISPOSAL, AND RELEASE OF HAZARDOUS SUBSTANCES

Information related to the past use and storage of hazardous substances at the Site was compiled through review of available Site records, search of federal and state environmental databases, and interviews with USAR personnel.

3.3.1 Past Use and Storage of Hazardous Substances

Chemicals formerly used and stored at the Site were associated with vehicle and facility maintenance activities and janitorial services. Janitorial chemicals and building maintenance-related products were stored in the designated storage area within the janitorial closet in the Training Building.

A 1998 Historical Architectural Report contained a figure (Figure 11 of the Historical Architectural Report provided in Appendix D) dated August 29, 1998. This figure shows:

- 1 — Vehicle Wash Rack north of the Storage Building (former OMS)
- 2 — Petroleum, oil, and lubricant storage area attached to the south of the Storage Building, a room now used to store field equipment
- 3 — Flammable room attached to the Storage Building and still in use for non-vehicle maintenance storage
- 4 — Indoor Firing Range in the Training Building where the mechanical room is today

The Supply Building was labeled as a "Maintenance Shop" on the same figure. POL storage and use was likely associated with items 2 and 3.

During the August 16, 2006 Site visit, no evidence of a VWR was observed in the location depicted in the 1998 figure. USAR personnel confirmed the VWR was north of the Storage Building and it was reportedly removed when the OMS was converted to the Storage Building. According to previous reports and USAR personnel, an OWS was not associated with the VWR. No oil stains or any other stains were observed in what was believed to be the VWR area. The dates the VWR was in place and in use are not known, but it is estimated to be from 1961 to prior to 1994 (a 1994 aerial photograph indicates the VWR had already been removed). Also noted on the 1998 figure is a concrete block storage room attached to the Storage Building's southern side. When the building was an OMS, this room was used as a POL storage area. After the building was converted, the

room was used to store soldiers' field equipment. No OWS was associated with the VWR, so the potential that residual petroleum products or their derivatives were released to the surrounding environment from this location is present.

Certain types of chemical products used and stored at the Site would have contained CERCLA hazardous substances and would have been stored on a rotational basis in amounts necessary to support the unit through direct-support-level maintenance. However, there is no indication that CERCLA hazardous substances were stored at the Site for one year or more in excess of corresponding RQs.

3.3.2 Past Disposal and Release of Hazardous Substances

Information related to past disposal and potential release of hazardous substances at the Site was compiled through review of available Site records, search of federal and state environmental databases, and interviews with USAR personnel. According to USAR personnel and Site records, the disposal of hazardous materials or hazardous wastes has not occurred on the Site.

No stained soil or stressed vegetation was observed during the August 16, 2006 Site visit. The MEP area and POV parking area did not show any signs of staining, and no noxious or foul odors were noted.

3.4 PAST BULK PETROLEUM STORAGE TANKS

Based upon a review of available Site records, a search of federal and state environmental databases, and interviews with USAR personnel, it does not appear that aboveground storage tanks (ASTs) and/or underground storage tanks (USTs) have ever been located on the Site.

3.5 REVIEW OF PREVIOUS ENVIRONMENTAL REPORTS

A review of Site records produced several applicable reports pertaining to the Site. The following subsections provide a brief summary of these reports. Copies of the reports, unless otherwise specified, are provided in Appendix D. Only pertinent sections of reports that addressed multiple sites are presented in Appendix D.

3.5.1 Environmental Baseline Survey Report

On behalf of the 90th Regional Readiness Command (RRC), Environmental, Compliance & Construction, Inc. (ECCI) completed an EBS for the Site in March 2005. The EBS provides summary and general information about the Site. "In accordance with the ASTM Standard D 5746-98 for *Standard Classification of Environmental Condition of Property Area Types for Defense Base Closure and Realignment Facilities*", ECCI classified the Site as an ECP Area Type 1 Property. An ECP Area Type 1 Property is an area or parcel of real property where no release or disposal of hazardous substances or petroleum products or

their derivatives has occurred, including no migration of these substances from adjacent properties.

3.5.2 Architectural Assessment Report

Parsons Engineering Science, Inc., performed a *Historic Architectural Resources Assessment of the 90th Regional Support Command Facilities in Arkansas* for the Department of the Army, 90th RRC, Office of the Engineer. The findings of the assessment were compiled in a report issued February 1998. The report concluded that the buildings on the Site were not eligible for placement on the National Register of Historical Places because they did not meet the 50-year age criteria and they did not appear to possess exceptional historical importance. No further architectural surveys were recommended for this Site until 2011. The Arkansas State Historic Preservation Officer concurred with the Parsons report recommendations in a letter dated February 2, 1998. The Architectural Assessment Report contained a figure dated August 29, 1998. This figure shows the layout of the facility prior to the conversion of the OMS to the Storage Building.

3.5.3 Lead-Based Paint Reports

Per a May 27, 1997, memorandum, the Department of the Army, Headquarters 90th RRC issued copies of LBP testing for the Site. Two samples were collected, one from each building. The testing was performed by Lewis Environmental Services, which did not find any concentrations above the established U.S. Department of Housing and Urban Development (HUD) action level of 1 milligram per cubic centimeter.

The March 2005 EBS report stated that a LBP survey was:

“. . . performed at the Site on January 11, 2005 by the Environmental Section from the 90th RRC. The survey identified LBP on a white metal support inside the OMS and on tan metal doors and frames outside the OMS. The yellow paint used for striping was also identified as LBP. LBP was found on the exterior brown metal doors, grates, and posts outside the main building mechanical room, and the tan door frames and posts on the outside of the original section of the main building. The survey indicated that no immediate action was necessary.”

3.5.4 Indoor Firing Range Report

The indoor firing range was closed in 1996 by American Asbestos, Inc. The abatement, cleanup, and encapsulation of all lead-containing dust and work items were completed in November 1996 and documented in the report titled *Final Submittals for Project 0001AB El Dorado USARC, Lead Abatement/Contract DABT 39-96-C-3047*. A formal release of the indoor firing range for re-occupancy and alternate use was issued March 8, 1997, by the 90th RRC.

3.5.5 Radon Reports

The March 2005 EBS reported that, "Testing was conducted at eight (8) areas within the two (2) USARC Buildings. The average activity reported for all of the areas was 0.70 or less. Consequently, the presence of radon is not considered a potential significant environmental concern with respect to this property."

3.5.6 Asbestos Reports

Per an October 4, 1993, memorandum, the Department of the Army, Headquarters 122D USAR Command issued copies of asbestos testing for the Site. The memorandum included the results of 22 asbestos samples. Eight of the samples tested positive for asbestos in concentrations ranging from 2 to 40%. Asbestos-containing material (ACM) was found in boiler room piping insulation, roofing tar, a crawl space and insulation, and flooring (tile and mastic).

A January 1997 asbestos report prepared by the U.S. Army 90th RRC, *Asbestos Building Inspection, Rufus N. Garrett USARC, El Dorado, AR*, indicated analysis of all samples collected from suspect building materials had asbestos concentrations less than 1%, so all suspect materials were considered to not contain asbestos. The report noted that the inspection was confined to rooms and areas accessible on the days of the survey and some rooms were not made accessible. Based on the 1997 report, there are no known asbestos containing building materials on the Site.

3.5.7 Cultural Resources Report

Parsons Engineering Science, Inc., performed an assessment and prepared a *Management Summary, Cultural Resources Assessment of 90th Regional Support Command, Facilities in Arkansas, Louisiana, New Mexico, Oklahoma and Texas* for the Department of the Army, 90th RRC. The assessments were compiled and issued February 1998. The assessments concluded that there were no architectural or archeological issues at the Site. The Site has a "low" archeological potential and is not eligible for the National Register of Historical Places.

3.5.8 Polychlorinated Biphenyls Report

The U.S. Army Center for Health Promotion and Preventive Medicine (USACHPPM) performed a *Polychlorinated Biphenyls (PCB) Assessment No. 37-08-5615-97*. The assessment was compiled and issued on September 30, 1997, and addressed six pole-mounted transformers (PMTs) on the east side of the Site and fluorescent lighting fixtures on the Site. The PMTs are owned by Entergy Corp. Three PMTs on the northeast corner of the Site were manufactured by General Electric in 1975. Three PMTs on the southeast corner of the Site were manufactured by ERMCO in 1993. According to the report, all of the transformers are listed as non-PCB and were in good condition. During the Site visit, six PMTs on two poles (three per pole) were observed on the east side of the Site and all appeared in good condition. Some of the older

fluorescent lighting fixtures on the Site were identified in the USACHPPM report as having PCB-containing ballasts. According to USAR personnel, used fluorescent tubes are sent offsite for recycling.

4.0 ADJACENT PROPERTIES

Figure 9 in Appendix A provides a 2000 aerial view of the Site and adjacent properties. The property is bounded by 8th Street and a church to the north; Murphy Street, a residential area, and James Simpson's Garage to the west; 7th Street then a residential area to the south; and a residential area to the east. Table 2 provides a list of adjacent properties with their directional location from the Site. The zoning of the adjacent parcels is also listed in Table 2.

Direction From Site	Name/Type of Property	Addresses	Zoning
North	Church	800 block of 8 th Street	C2, Commercial
West	Single family residential property from the southwest corner of the Site to James Simpson's Garage on the northwest corner of the Site	Murphy Street	R1, Single-Family Residential and C2 for James Simpson's Garage
South	Single-family residential property	800 block of 7 th Street	R1, Single-Family Residential
East	Single-family residential property	College Avenue	R1, Single-Family Residential

Appendix A provides historical aerial photographs and topographic maps and Appendix E presents an environmental database report that was used to evaluate potential environmental impacts from adjacent and surrounding properties that may have also impacted the environmental conditions at the Site. Land use at the adjacent properties does not appear to have changed significantly over the years and does not appear to have impacted the environmental conditions of the USAR Center.

5.0 REVIEW OF REGULATORY INFORMATION

A component of the ECP is the review of all reasonably obtainable federal, state, and local government records for the Site and surrounding properties where there has been a release or likely release of any hazardous substance or any petroleum product and that are likely to cause or contribute to a release or threatened release of any hazardous substance or any petroleum product on the federal real property. An environmental database summary was obtained from EDR on July 14, 2006. The environmental database summary consolidates standard federal, state, local, and tribal environmental record sources based on ASTM-recommended minimum search distances from the Site. A copy of the complete EDR report is included in Appendix E.

There were no environmental permits issued for the Site; therefore, there were no permit applications or associated permit documentation available for review. There were no known contamination events on the Site that required an environmental cleanup; therefore, the Site did not participate in the Installation Restoration Program, Military Munitions Response Program, or a Compliance Cleanup program.

TEJV interviewed local authorities and reviewed reasonably accessible USAR environmental documents, ADEQ files, City of El Dorado records, and historical aerial photographs and maps to investigate environmental conditions at the Site and surrounding area. Available information for potential environmental impacts to the Site was assessed.

TEJV conducted multiple interviews with relevant personnel to discuss general environmental interest and specific areas of interest identified during the records review and visual reconnaissance. Copies of the interview reports are included in Appendix D. Section 9.0 of this report identifies the individuals interviewed with respect to conditions and operations at the Site and the information from those interviews is incorporated into this report.

5.1 FEDERAL ENVIRONMENTAL RECORDS

5.1.1 Federal National Priorities List Sites within One Mile

The National Priorities List (NPL) is a subset of the CERCLA Information System (CERCLIS) and identifies more than 1,200 sites for priority cleanup under the Superfund Program. NPL sites are targeted for long-term remedial action under CERCLA. According to the environmental database report, the USAR Center is not an NPL site and there are no such sites within one mile of the Site.

5.1.2 Federal CERCLIS Sites within One-Half Mile

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies, and persons, pursuant to Section 103 of the Act. CERCLIS contains sites that are either proposed to be or are on

the NPL, and sites that are in the screening and assessment phase for possible inclusion on the NPL. According to the environmental database report, the USAR Center is not a CERCLIS site and there are no CERCLIS sites within one-half mile of the Site.

CERCLIS No Further Remedial Action Planned (NFRAP) sites have been removed and archived from CERCLIS sites. NFRAP status indicates that, to the best of USEPA's knowledge, assessment at a site has been completed and that no further steps will be taken to list this site on the NPL, unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with the site; it means that, based on available information, the location is not judged to be a potential NPL site. According to the environmental database report, the USAR Center is not a CERCLIS NFRAP site and there are no CERCLIS NFRAP sites within one-half mile of the Site.

5.1.3 Resource Conservation and Recovery Act Corrective Action Sites within One Mile

Resource Conservation and Recovery Act (RCRA) corrective action sites (CORRACTS) represent facilities that have generated or managed hazardous wastes and require corrective action. According to the environmental database report, the USAR Center is not a CORRACTS site. No CORRACTS sites were identified within one mile of the Site.

5.1.4 RCRA Transport, Treatment, Storage, and/or Disposal Facilities within One-Half Mile

The RCRA Information database includes selective information on sites that generate, transport, treat, store, and/or dispose (TSD) of hazardous waste as defined by RCRA. According to the environmental database report, the USAR Center is not a RCRA TSD site and there are no such sites within one-half mile of the USAR Center.

5.1.5 Federal RCRA Small- and Large-Quantity Generators List within One-Quarter Mile

Conditionally exempt small-quantity generators generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. RCRA small-quantity generators (SQGs) are defined as facilities generating between 100 kg and 1,000 kg of hazardous waste per month, while a large-quantity generator (LQG) is defined as a facility generating more than 1,000 kg of hazardous waste, or over 1 kg of acutely hazardous waste per month. According to the environmental database report, the USAR Center is not an SQG or LQG. No RCRA SQGs or LQGs are within one-quarter mile of the Site.

5.1.6 Federal Emergency Response Notification System List

The federal Emergency Response Notification System (ERNS) provides information on reported releases of oil and hazardous substances. According to the environmental database report, the USAR Center is not listed on the ERNS List.

5.2 STATE AND LOCAL ENVIRONMENTAL RECORDS

The regulatory information presented below was obtained from the environmental database report. Supplemental information was also provided from research at the ADEQ.

5.2.1 State-Registered Landfills or Solid Waste Disposal Sites within One-Half Mile

According to the environmental database report, no solid waste landfills, incinerators, or transfer stations are within one-half mile of the USAR Center. There is no solid waste landfill, incinerator, or transfer station on the Site.

5.2.2 State-Registered Leaking UST Sites within One-Half Mile

The Site itself is not listed in the state leaking UST (LUST) database. According to the environmental database report, one LUST site is within one-half mile of the USAR Center. The listed facility is an abandoned property at 714 West Grove in El Dorado. This LUST site is approximately 2,245 feet south-southeast of the Site and at a higher topographic elevation. According to the environmental database report, the LUST has been abandoned since 1973. A release was detected in 1990 due to rising groundwater levels, and tank closure procedures are under way. This LUST site represents a low potential environmental risk to the Site due to its distance from the Site.

5.2.3 State-Registered UST Sites within One-Quarter Mile

USTs are regulated under RCRA Subtitle I and must be registered with the state department responsible for administering the UST program. The Site is not listed in the state UST database. The environmental database report identified one state-registered UST site within one-quarter mile. The listed facility is Cupples Refrigeration at 1200 Harold Ellen in El Dorado. This UST site is approximately 1,200 feet west-northwest of the Site and at a lower topographic elevation. According to the environmental database report, the UST is active. There are no reported releases associated with this site and it represents a low potential environmental risk to the Site.

5.2.4 State Hazardous Waste Sites within One Mile

According to the environmental database report, no hazardous waste sites are within one mile of the USAR Center. The Site is not classified as a hazardous waste site.

5.2.5 State Solid Waste Illegal Dumps within One-Half Mile

According to the environmental database report, no illegal dumps have been identified within one-half mile of the USAR Center. There is no illegal dump on the Site.

5.2.6 State AST Sites within One-Quarter Mile

According to the environmental database report there are no state-registered ASTs within one-quarter mile of the USAR Center.

5.2.7 State Emergency Response Incidents Sites

According to the environmental database report, the USAR Center is not listed on the Arkansas emergency response incidents list.

5.2.8 State Sites with Institutional Controls within One-Half Mile

Institutional controls include administrative procedures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post-remediation care requirements intended to prevent exposure to contaminants remaining onsite. According to the environmental database report, no state-registered sites with Institutional Engineering Controls are within one-half mile of the USAR Center.

5.2.9 State Voluntary Cleanup Program Sites within One-Half Mile

There are no State Voluntary Cleanup Program (VCP) sites with one-half mile of the USAR Center. According to the environmental database report, the USAR Center is not listed on the VCP list.

5.2.10 State Brownfields Program Sites within One-Half Mile

Included in the listing are brownfields properties addressed by Cooperative Agreement Recipients and brownfields properties targeted by Targeted Brownfields Assessments. According to the environmental database report, no state-registered Brownfield Program Sites are within one-half mile of the USAR Center. According to the environmental database report, the USAR Center is not listed on the brownfields list.

5.2.11 State Enforcement Sites

According to the environmental database report, the USAR Center is not listed on the enforcement list.

5.2.12 State Poultry Sludge Permit Sites within One-Half Mile

According to the environmental database report, there are no poultry sludge permit (Sludge) sites within one-half mile of the Site. According to the environmental database report, the USAR Center is not listed on the Sludge list.

5.2.13 State Permit Data System

According to the environmental database report, the USAR Center is not listed on the state permit data system.

5.2.14 State Facility Emission and Stack Data Sites

According to the environmental database report, the USAR Center is not listed on the facility emission and stack list.

5.2.15 State Asbestos Notification of Intent Database Sites

According to the environmental database report, the USAR Center is not listed on the asbestos database.

5.3 TRIBAL ENVIRONMENTAL RECORDS

According to the environmental database report, no designated Indian Reservations are within one mile of the USAR Center.

5.4 UNMAPPED SITES

The environmental database search yielded 40 unmapped sites. Unmapped sites are those with address information sufficient only to identify as within the zip code of the target Site. Further research was conducted using maps of the Site and surrounding area. None of the Sites were estimated to be within the corresponding ASTM minimum search distance for the databases on which the sites are listed.

5.5 SUMMARY OF PROPERTIES EVALUATED TO DETERMINE RISK TO SITE

During review of environmental information summarized in this section, multiple databases and sites were reviewed to evaluate potential risks to the Site. Two sites were identified as potential risks to the Site as detailed in Sections 5.2.2 and 5.2.3. Based on an evaluation of available information and details concerning the identified sites, both sites are considered "Low Risk" sites. No "High Risk" sites were identified. "High Risk" properties are those that exhibit significant environmental conditions that have the probability of adversely affecting the environmental conditions at the Site.

6.0 SITE INVESTIGATION AND REVIEW OF HAZARDS

Findings documented in the following subsections are based on the August 16, 2006 Site and area reconnaissance, review of available Site records, and information obtained from USAR personnel.

6.1 UNDERGROUND AND ABOVEGROUND STORAGE TANKS

No USTs or ASTs were observed on the Site.

6.2 INVENTORY OF CHEMICALS/HAZARDOUS SUBSTANCES

During the August 16, 2006 Site reconnaissance, the only chemicals and hazardous substances observed on the Site were the consumer-sized quantities of cleaning supplies in the janitor's closet, four gallons of paint in the mechanical room (Training Building), and the six gallons of bleach, two gallons of brake fluid, and 30 gallons of paint in the flammable storage area (Storage Building).

6.3 WASTE DISPOSAL SITES

No signs of landfilling or illegal waste disposal activities were observed on the Site during the August 16, 2006 Site reconnaissance.

6.4 PITS, SUMPS, DRY WELLS, AND CATCH BASINS

The Site is served by a sanitary sewer system from the City of El Dorado. Wastewater from within the buildings discharges to the sanitary sewer system. Floor drains are in the Training Building kitchen and restrooms. There is a grease trap outside the kitchen; however the kitchen is not in use.

Storm water sheet-flows to one of four storm drains along the perimeter of the Site property.

6.5 ASBESTOS-CONTAINING MATERIAL

Based on the 1997 asbestos survey report discussed in Section 3.5.6, there are no known asbestos containing building materials on the Site.

6.6 PCB-CONTAINING EQUIPMENT

The USACHPPM performed a PCB assessment on the Site in 1997. Six PMTs on the east side of the Site and fluorescent lighting fixtures were assessed. The PMTs are owned by Entergy Corp. Three PMTs on the northeast corner of the Site were manufactured by General Electric in 1975. Three PMTs on the southeast corner of the Site were manufactured by ERMCO in 1993. According to the report, all of the transformers are listed as non-PCB and were in good condition. During the Site visit, six PMTs on two poles

(three per pole) were observed on the east side of the Site and all appeared in good condition. Some of the older fluorescent lighting fixtures on the Site were identified in the USACHPPM report as having PCB-containing ballasts. According to USAR personnel, used fluorescent tubes are sent offsite for recycling.

6.7 LEAD

Based on the age of construction of the building prior to 1978, when USEPA banned the use of lead in paint, LBP is likely present. The March 2005 EBS report stated that LBP was identified at the site in 2005. During TEJV's Site visit, painted surfaces were observed to be in good condition and no peeling paint was observed.

The indoor firing range was closed in 1996 by American Asbestos, Inc. The abatement, cleanup, and encapsulation of all lead-containing dust and work items were completed in November 1996. A formal release of the indoor firing range for re-occupancy and alternate use was issued March 8, 1997. During the Site visit, the mechanical room of the Training Building was inspected and there was no indication of the former indoor firing range.

6.8 RADON

According to the USEPA Map of Radon Zones for Arkansas, Union County is in an area with low propensity for radon. Areas tested were classified in Zone 3, which is less than 2 picocuries per liter of air (pCi/L). The average activity for basements was reported as 0.70 pCi/L and 0.469 pCi/L for first-floor living areas. The USEPA recommended action level is 4.0 pCi/L.

The March 2005 EBS reported that, "Testing was conducted at eight (8) areas within the two (2) USARC Buildings. The average activity reported for all of the areas was 0.70 or less. Consequently, the presence of radon is not considered a potential significant environmental concern with respect to this property."

6.9 UNEXPLODED ORDNANCE

No indications were found during the August 16, 2006 Site reconnaissance or during the review of records to indicate the presence of unexploded ordnance at the Site.

6.10 RADIOACTIVE MATERIALS

During the August 16, 2006 Site reconnaissance and records review process, no indications were found of the past storage or use of radiological commodities at the USAR Center.

7.0 REVIEW OF SPECIAL RESOURCES

7.1 LAND USE

Based on an interview with El Dorado Public Works personnel, the Site is zoned R1, which is the strictest residential zoning for single-family residences. When El Dorado voters approved zoning regulations in 1997, the USAR Center was grandfathered into the R1 zone and is allowed to remain non-residential as long as the property is actively occupied. If the USAR Center is vacant for more than one year, it will revert to R1 status and a business will no longer be allowed to occupy the Site. The church north of the Site is zoned C2, which is commercial. James Simpson's Garage is zoned C2 and it falls under the same grandfather clause applicable to the Site, meaning the property will revert to R1 status if it is vacant for more than one year. Residential properties adjacent to the Site are zoned R1. Figure 9 in Appendix A provides a 2000 aerial photograph of the USAR Center and surrounding properties and depicts current land use.

7.2 COASTAL ZONE MANAGEMENT

There is no coastal zone management plan for Arkansas.

7.3 WETLANDS

The Site is upland and well drained. No wetlands were identified in the environmental database report. A search for wetland information was also conducted online from the U.S. Fish and Wildlife Service Web site, with no digital data available for the Site. Wetland information was also requested at the USDA office, but none was available. No vegetation typical of wetlands was observed on the Site.

7.4 100-YEAR FLOODPLAIN

FEMA Flood Hazard Area map (Figure 10, Appendix A) information obtained online from the FEMA Web site at <http://www.msc.fema.gov> and the environmental database report indicates that the Site lies outside the 100-year floodplain.

7.5 NATURAL RESOURCES

No survey has been conducted at the Site for threatened and endangered species. Information obtained from the Arkansas Heritage Program for Union County lists the Red-cockaded Woodpecker as the only endangered species and the following as the only state threatened species: southern tubercled-orchid, Durand's white oak, and *Xyris baldwiniana* a yellow-eyed grass. Except for potential incidental use by migrants, the threatened and endangered species are unlikely to occur at the Site due its urban nature.

7.6 CULTURAL RESOURCES

As described in Section 3.5.7, a cultural resource assessment was performed for the Site. The conclusion was that there were no architectural or archeological issues at the Site. The Site has a “low” archeological potential and is not eligible for the National Register of Historical Places.

7.7 OTHER SPECIAL RESOURCES

There are no other known resources that could affect the Site.

8.0 CONCLUSIONS

The TEJV, under contract to the USACE, Louisville District, has prepared this ECP Report for the Rufus N. Garrett, Jr. USAR Center (AR009), at 815 West 8th Street in El Dorado, Union County, Arkansas. The Site encompasses 2.83 acres and it is currently active; Detachment 1 of the 321st Material Management Center occupies the facility. The Site contains a Training Building and a Storage Building. The Site has primarily functioned as an administrative and educational facility. However, vehicle maintenance and washing was conducted in the past.

Findings of this ECP are based on existing environmental information, including visual observations, Site records, and federal, state, and local database and file information related to the storage, release, treatment, or disposal of hazardous substances or petroleum products or derivatives on the Site. The following present the findings related to areas evaluated during the ECP process.

- **Hazardous Substances.** CERCLA hazardous substances would have been used and stored at the Site in amounts necessary to support unit-level vehicle and building maintenance activities. However, the quantities stored for one year or more would not have exceeded 1,000 kg or the RQ of designated hazardous substances, or one kg of acutely hazardous waste. There is no evidence that the chemicals used or stored were ever improperly handled, released, or disposed at the Site.
- **USTs/ASTs.** No petroleum USTs or ASTs have ever been located on the Site.
- **Non-UST/AST Petroleum Storage.** Petroleum storage would have occurred in designated areas within the OMS and POL storage shed in the OMS area. No OWS was associated with the VWR, so the potential that residual POLs were released to the surrounding environment from this location is present.
- **PCBs.** There are no known PCB-containing transformers on the Site. Some of the older fluorescent lighting fixtures on the Site were identified as having PCB-containing ballasts. According to USAR personnel, fluorescent tubes are shipped offsite for recycling.
- **ACM.** A 1993 Department of the Army memorandum included the results of 22 asbestos samples collected from Site buildings. Eight of the samples tested positive for asbestos in concentrations ranging from 2 to 40%. A January 1997 asbestos report prepared by the U.S. Army 90th RRC indicated analysis of all samples collected from suspect building materials had asbestos concentrations less than 1%, so all suspect materials were considered to not contain asbestos. Based on the 1997 report, there are no known asbestos containing building materials on the Site.

- **LBP.** A 1997 Department of the Army memorandum detailed LBP testing for the Site. Two samples were collected, one from each building. The testing was performed by Lewis Environmental Services and did not find any concentrations above the established HUD action level of 1 milligram per cubic centimeter. The March 2005 EBS report stated that a LBP survey was performed at the Site on January 11, 2005, by the Environmental Section of the 90th RRC. The survey identified LBP on a white metal support inside the OMS and on tan metal doors and frames outside the OMS. The yellow paint used for floor striping was also identified as LBP. LBP was found on the exterior brown metal doors, grates, and posts outside the main building mechanical room, and the tan door frames and posts on the outside of the original section of the main building. The survey indicated that no immediate action was necessary. During the August 16, 2006 Site visit, painted surfaces were observed to be in good condition and no peeling paint was observed.
- **Indoor Firing Range.** The indoor firing range was closed in 1996 by American Asbestos, Inc. The abatement, cleanup, and encapsulation of all lead-containing dust and work items were completed in November 1996. A formal release of the indoor firing range for re-occupancy and alternate use was issued March 8, 1997.
- **Radiological Materials.** No radiological materials were identified during the Site reconnaissance. There is no evidence of any release of radiological materials at the Site.
- **Radon.** The March 2005 EBS reported that, "Testing was conducted at eight (8) areas within the two (2) USAR buildings. The average activity reported for all of the areas was 0.70 or less. Consequently, the presence of radon is not considered a potential significant environmental concern with respect to this property." According to the USEPA Map of Radon Zones for Arkansas, Union County is in an area with low propensity for radon. Areas tested were classified in Zone 3, which is less than 2 pCi/L. The average activity for basements was reported as 0.70 pCi/L and 0.469 pCi/L for first-floor living areas. The USEPA recommended action level is 4.0 pCi/L. Based on the reported results and county averages, radon is not considered a concern at the Site.
- **Munitions and Explosives.** No evidence was found during the Site reconnaissance or records review process of the past presence of munitions and explosives of concern.
- **Surrounding Properties.** Potential environmental sites of concern, located within corresponding ASTM minimum search distances from the Site were evaluated. Land use at the adjacent properties does not appear to have changed significantly over the years and does not appear to have impacted the environmental conditions of the USAR Center.

Areas of potential environmental concern were reviewed and the TEJV found no significant concerns relating to the environmental condition of the Site. In accordance with DoD policy defining the classifications (see S.W. Goodman Memorandum dated October 21, 1996), the Site has been classified as Category 2. This classification does not include categorizing the property based on *de minimis* conditions that generally do not present material risk of harm to the public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

9.0 REFERENCES

Persons Contacted

- Vicki Deaton, City of El Dorado Tax Assessor, (870) 864-1920. Meeting on August 15, 2006.
- Sergeant First Class Phillip Applewhite, USAR, (870) 863-5380. Meeting on August 16, 2006.
- Ralph Hasty, USAR, Facility Engineer, (903) 278-1756, Telecommunication on August 23, 2006.
- James Wheeler, 90th Regional Readiness Command, Chief, Environmental Division, (501) 771-7992.
- Doug Hunter, U.S. Department of Agriculture, Ouachita and Union County Farm Service Agency, (870) 836-2089. Meeting on August 14, 2006.
- Debbie Stinson, El Dorado Public Works, Administrative Assistant, (870) 862-7911, Telecommunication on August 23, 2006.

Resources Consulted

- Aerial Photographs dated 1979 and 1994 provided by the Ouachita and Union County Farm Service Agency.
- Aerial Photograph dated 2000, Property Record Card, and City directories dated 1961, 1975, and 1981, provided by the El Dorado Tax Assessors office.
- American Asbestos, Inc. Final Submittals for Project 0001AB, El Dorado USARC, Lead Abatement/Contract DABT39-96-C-3047 for Fort Sill Army Base. December 16, 1996.
- Arkansas Department of Environmental Quality. File reviews of UST and LUST sites.
- Arkansas Heritage Program Web site for rare species in Washington County, Arkansas. <http://www.naturalheritage.com/program/element-search/default.asp>
- Department of the Army, Headquarters 122D U.S. Army Reserve Command. *Memo with asbestos and radon data for Rufus N. Garrett, Jr. USARC.* October 4, 1993.
- Department of the Army, 90th Regional Support Command. *Memo with report on lead based paint tests conducted at the USARC in El Dorado, Arkansas.* May 27, 1997.

- Department of the Army, 90th Regional Support Command. *Memo with Formal Release of Indoor Firing Range for Reoccupancy and Alternate Use.* March 8, 1997.
- ECCL. *Environmental Baseline Survey.* March 2005.
- Environmental Data Resources Inc. 440 Wheelers Farms Road, Milford, Connecticut 06461.
- Federal Emergency Management Agency. *Flood Insurance Rate Map, City of El Dorado, Arkansas, Union County, Community Panel Number 050207 0010 B* obtained at www.msc.fema.gov. November 15, 1979.
- Goodman, S.W. *Memorandum: Clarification of "Uncontaminated" Environmental Condition of Property at Base Realignment and Closure (BRAC) Installations.* October 21, 1996.
- NETR-Real Estate Research & Information, 2055 East Rio Salado Parkway, Tempe, Arizona, 85281. *Historical Chain-of-Title Report.* Project No. N06-4895. August 1, 2006.
- Parsons Engineering Science, Inc. *Management Summary, Cultural Resources Assessment of 90th Regional Support Command, Facilities in Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.* February 1998.
- Parsons Engineering Science, Inc. *Historic Architectural Resources Assessment of the 90th Regional Support Command Facilities in Arkansas.* February 1998.
- U.S. Army Center for Health Promotion and Preventive Medicine. *Polychlorinated Biphenyls (PCB) Assessment No. 37-08-5615-97* (for 90th Regional Support Command). September 30, 1997.
- U.S. Army 90th Regional Support Command. *Asbestos Building Inspection, Rufus Garrett USARC, El Dorado, Arkansas.* January 1997.
- U.S. Army Reserve Center, Detachment 1, 321st MMC, El Dorado, Arkansas Chemical Inventory. January 13, 2002.
- U.S. Department of Agriculture, National Resources Conservation Service, *Web Soil Survey.* <http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>

- U.S. Fish and Wildlife Services, Branch of Habitat Assessment, *National Wetlands Inventory Wetlands Mapper*. <http://wetlandswfs.er.usgs.gov/wtlnds/launch.html>
- U.S. Geological Survey TerraServer-USA. (March 28, 2000 aerial photograph). Retrieved from <http://www.terraserver-usa.com/>

Agencies Contacted

- Arkansas Department of Environmental Quality
- City of El Dorado Tax Assessors Office
- City of El Dorado Public Library
- U.S. Department of Agriculture, National Resources Conservation Service

Appendix A
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Figure 6	1936 Aerial Photograph
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Figure 8	1994 Aerial Photograph
Figure 9	2000 Aerial Photograph
Figure 10	FEMA Flood Plain Map

Appendix B
Site Reconnaissance Photographs

Appendix C
Chain-of-Title Report

Appendix D
Previous Environmental Reports

PREVIOUS ENVIRONMENTAL REPORTS

1. American Asbestos, Inc. *Final Submittals for Project 0001AB, El Dorado USARC, Lead Abatement/Contract DABT39-96-C-3047 for Fort Sill Army Base.* December 16, 1996.
2. Arkansas Heritage Program Web site for rare species in Washington County, Arkansas. <http://www.naturalheritage.com/program/element-search/default.asp>
3. City Directories copied at the El Dorado Tax Assessors Office. (pertinent pages only)
4. ECCI. *Environmental Baseline Survey.* March 2005.
5. El Dorado Tax Assessors Property Record Card.
6. Environmental Section of the 90th Regional Support Command, *Report on Lead Based Paint Tests Conducted at the USARC in El Dorado, Arkansas.* May 27, 1997.
7. Interview Records.
8. Parsons Engineering Science, Inc. *Historic Architectural Resources Assessment of the 90th Regional Support Command Facilities in Arkansas.* February 1998.
9. Parsons Engineering Science, Inc. *Management Summary, Cultural Resources Assessment of 90th Regional Support Command, Facilities in Arkansas, Louisiana, New Mexico, Oklahoma, and Texas.* February 1998.
10. U.S. Army Center for Health Promotion and Preventive Medicine. *Polychlorinated Biphenyls (PCB) Assessment No. 37-08-5615-97.* September 30, 1997. (pertinent pages only)
11. U.S. Army Reserve Command. Asbestos and Radon Memo. October 4, 1993.
12. U.S. Army Reserve Center, Detachment 1, 321st MMC, El Dorado, Arkansas Chemical Inventory. January 13, 2002.

13. U.S. Army 90th Regional Support Command. *Asbestos Building Inspection, Rufus Garrett USARC, El Dorado, Arkansas*. January 1997.

14. USDA Soil Survey Map and Legend. (pertinent pages only)

Appendix E
Regulatory Database Search Reports

Appendix A
Figures

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Figure 8	1994 Aerial Photograph
Figure 9	2000 Aerial Photograph
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I:\PROJECTS-BST\0888602978_enviro\BRAC\enviro\BRAC\enviro\BRAC\data\802978B035_AR009_SITE_LOC.EL DORADO_AR.dwg 9/5/2006 7:54:57 AM CST

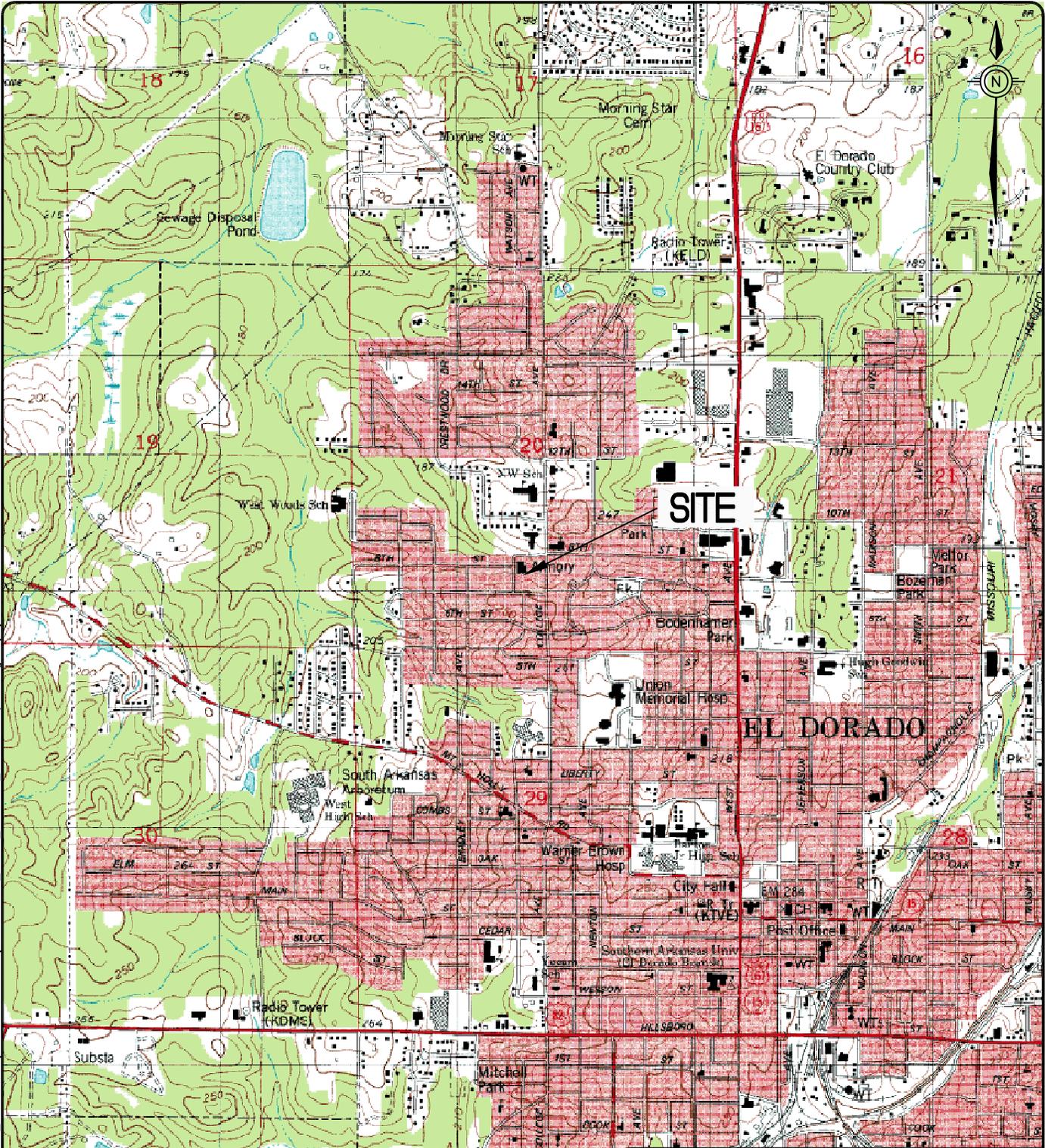
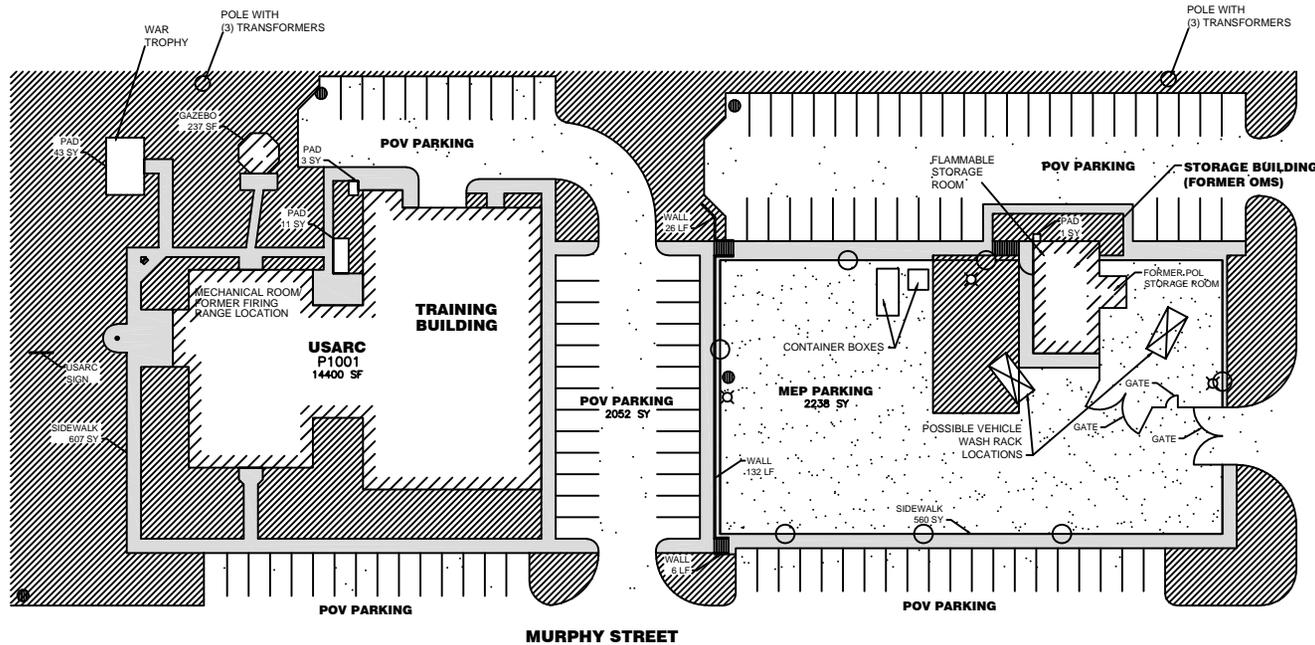
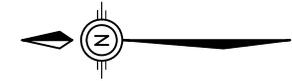


FIGURE 1
GENERAL SITE LOCATION MAP
ENVIRONMENTAL CONDITION OF PROPERTY
RUFUS N. GARRETT JR. USARC
EL DORADO, ARKANSAS

MAP SOURCE:
U.S.G.S. 7.5 MINUTE QUADRANGLE
EL DORADO WEST, ARKANSAS 1981

REQUESTED BY: FELTER
DRAWN BY: BRONSON
DWG DATE: 08/23/06
DWG NO: 802978B035



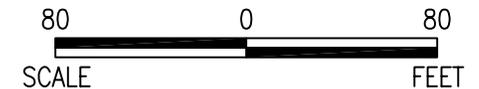


TOTALS

FENCING:	792 SY
GATES:	60 LF
SIDEWALKS:	1167 SY
EXT LIGHTING:	3
ROADS:	1661 SY
POV PARKING:	2052 SY
POV UNPAVED:	N/A
MEP PARKING:	2238 SY
MEP UNPAVED:	N/A
GRASS:	37158 SY

LEGEND

SYMBOL	DESCRIPTION	CAT_CODE
	MEP PARKING	85210
	MEP PARKING (UNPAVED)	85211
	POV PARKING	85215
	GRASS	-
	SIDEWALK	85220
	FENCE LINE	87210
	FLAG POLE	69010
	EXTERIOR LIGHTING	81230
	STORMWATER DRAIN	

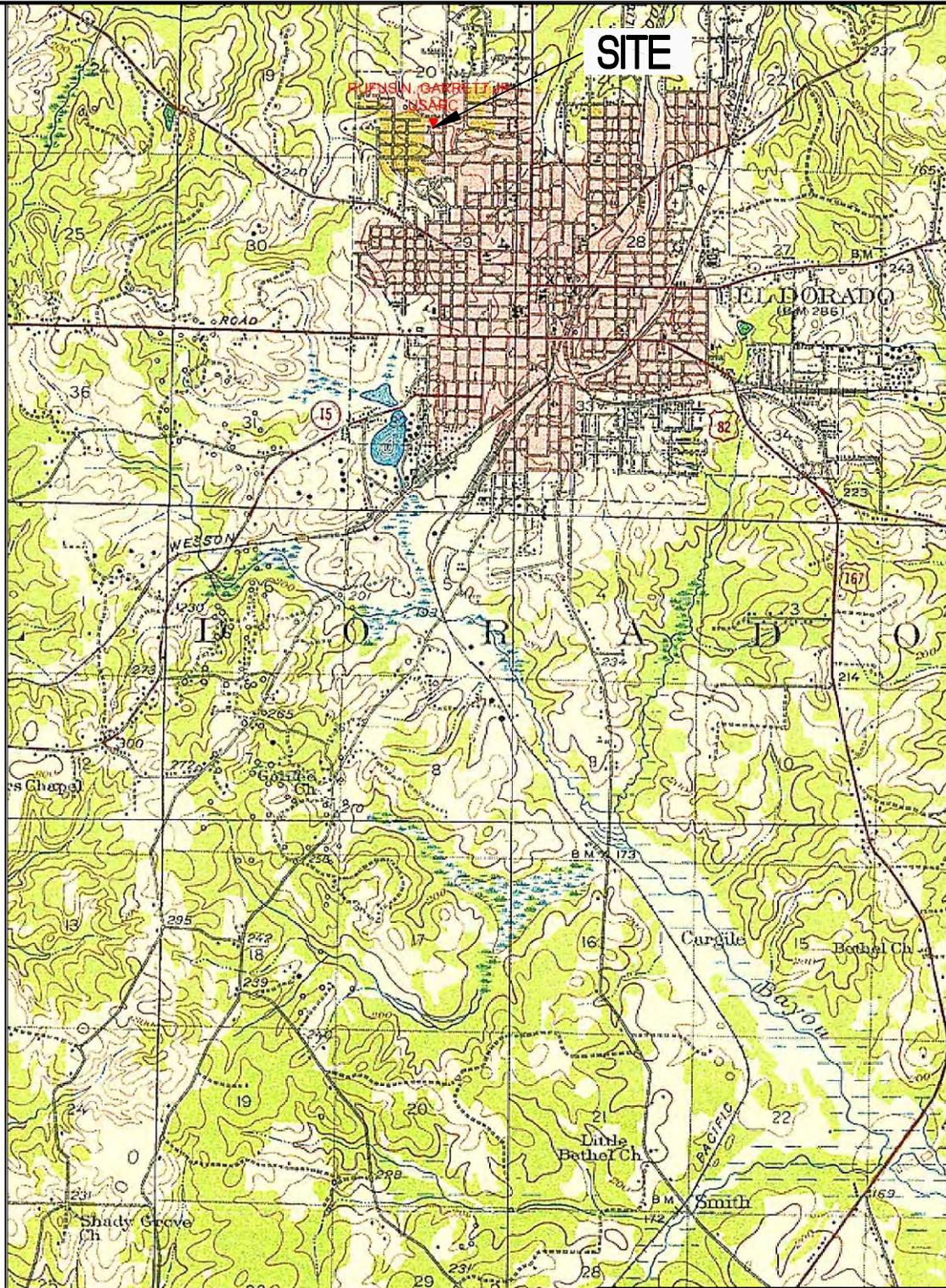


SOURCE:
MORSE CADD & SERVICES
(JULY 26, 2002)

FIGURE 2
SITE LAYOUT PLAN
ENVIRONMENTAL CONDITION OF PROPERTY
RUFUS N. GARRETT JR. USARC
EL DORADO, ARKANSAS

REQUESTED BY: FELTER
DRAWN BY: BRONSON
DWG DATE: 08/29/06
DWG NO: 802978B036





NOT TO SCALE

FIGURE 3
 1951 TOPOGRAPHIC MAP
 ENVIRONMENTAL CONDITION OF PROPERTY
 RUFUS N. GARRETT JR. USARC
 EL DORADO WEST, ARKANSAS

C:\draw\802978B047_AR009_1951_TOPO_EL_DORADO_AR.dwg 8/29/2006 3:12:30 PM CST

MAP SOURCE:
 U.S.G.S. 7.5 MINUTE QUADRANGLE
 EL DORADO WEST, ARKANSAS

REQUESTED BY:	D. FELTER
DRAWN BY:	BRONSON
DWG DATE:	08/29/06
DWG NO:	802978B047



G:\draw\802978B048_AR009_1981_TOPO_EL_DORADO_AR.dwg 8/29/2006 4:04:13 PM CST

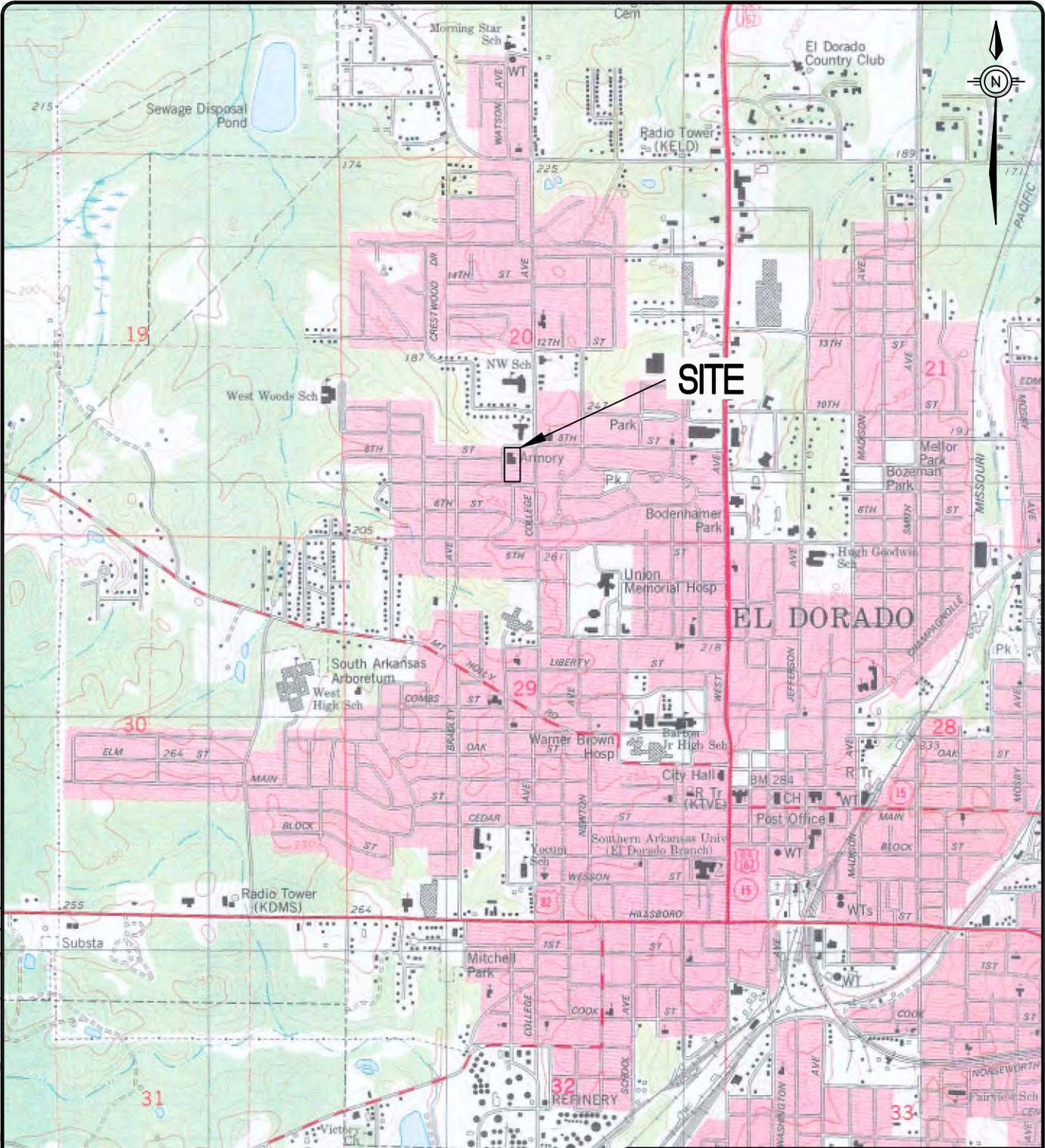
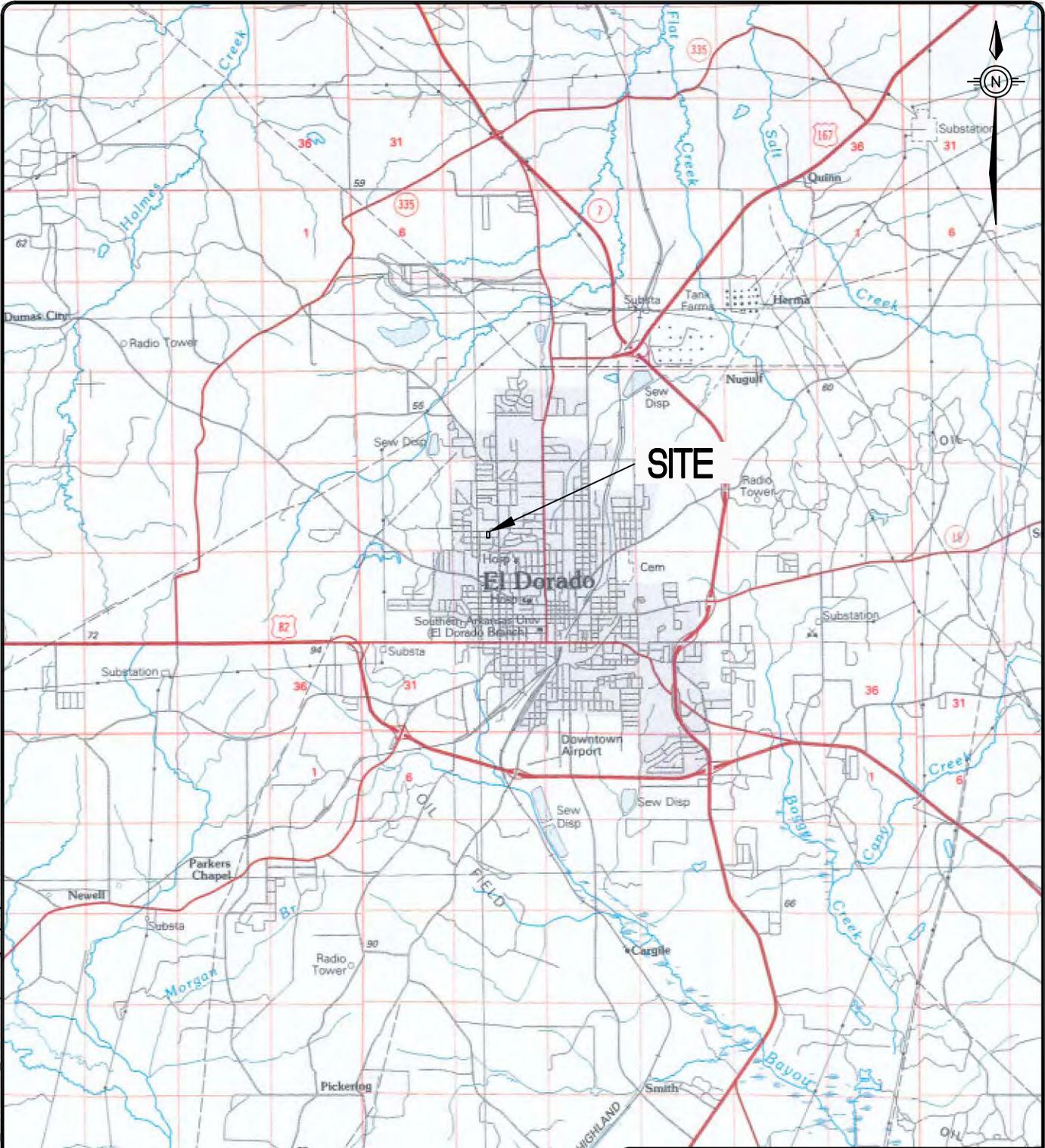


FIGURE 4
1981 TOPOGRAPHIC MAP
ENVIRONMENTAL CONDITION OF PROPERTY
RUFUS N. GARRETT JR. USARC
EL DORADO, ARKANSAS

REQUESTED BY: D. FELTER	 8(a) joint venture
DRAWN BY: BRONSON	
DWG DATE: 08/29/06	
DWG NO: 802978B048	

MAP SOURCE:
 U.S.G.S. 7.5 MINUTE QUADRANGLE
 ENVIRONMENTAL DATA RESOURCES, INC.
 EL DORADO WEST, ARKANSAS



G:\draw\802978B049_AR009_1985_TOPO_EL_DORADO_AR.dwg 8/29/2006 4:02:09 PM CST



<p>FIGURE 5 1985 TOPOGRAPHIC MAP ENVIRONMENTAL CONDITION OF PROPERTY RUFUS N. GARRETT JR. USARC EL DORADO, ARKANSAS</p>	
REQUESTED BY: D. FELTER	
DRAWN BY: BRONSON	
DWG DATE: 08/29/06	
DWG NO: 802978B049	

MAP SOURCE:
 U.S.G.S. 7.5 MINUTE QUADRANGLE
 ENVIRONMENTAL DATA RESOURCES, INC.
 EL DORADO, ARKANSAS



Rufus N. Garrett, Jr.
USARC

SITE



C:\draw\802978B050_AR009 - 1936 AERIAL_EL DORADO_AR.dwg 8/29/2006 4:13:42 PM CST

NOT TO SCALE

SOURCE:
90TH REGIONAL READINESS COMMAND

FIGURE 6
1936 AERIAL PHOTOGRAPH
ENVIRONMENTAL CONDITION OF PROPERTY
RUFUS N. GARRETT JR. USARC
EL DORADO, ARKANSAS

REQUESTED BY: D. FELTER

DRAWN BY: BRONSON

DWG DATE: 08/29/06

DWG NO: 802978B050



ENSAFE

8(a) joint venture

C:\draw\802978B051_AR009 - 1975 AERIAL_EL DORADO_AR.dwg 8/29/2006 5:56:54 PM CST



NOT TO SCALE

SOURCE:
90TH REGIONAL READINESS COMMAND

FIGURE 7
1975 AERIAL PHOTOGRAPH
ENVIRONMENTAL CONDITION OF PROPERTY
RUFUS N. GARRETT JR. USARC
EL DORADO, ARKANSAS

REQUESTED BY: D. FELTER

DRAWN BY: BRONSON

DWG DATE: 08/29/06

DWG NO: 802978B051





NOT TO SCALE

SOURCE:
(USDA) UNITED STATES DEPARTMENT OF AGRICULTURE

FIGURE 8
1994 AERIAL PHOTOGRAPH
ENVIRONMENTAL CONDITION OF PROPERTY
RUFUS N. GARRETT JR. USARC
EL DORADO, ARKANSAS

REQUESTED BY: D. FELTER

DRAWN BY: BRONSON

DWG DATE: 08/29/06

DWG NO: 802978B053



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NOT TO SCALE

SOURCE:
EL DORADO TAX ASSESSORS OFFICE

FIGURE 9
2000 AERIAL PHOTOGRAPH
ENVIRONMENTAL CONDITION OF PROPERTY
RUFUS N. GARRETT JR. USARC
EL DORADO, ARKANSAS

REQUESTED BY:	D. FELTER
DRAWN BY:	BRONSON
DWG DATE:	08/29/06
DWG NO:	802978B054



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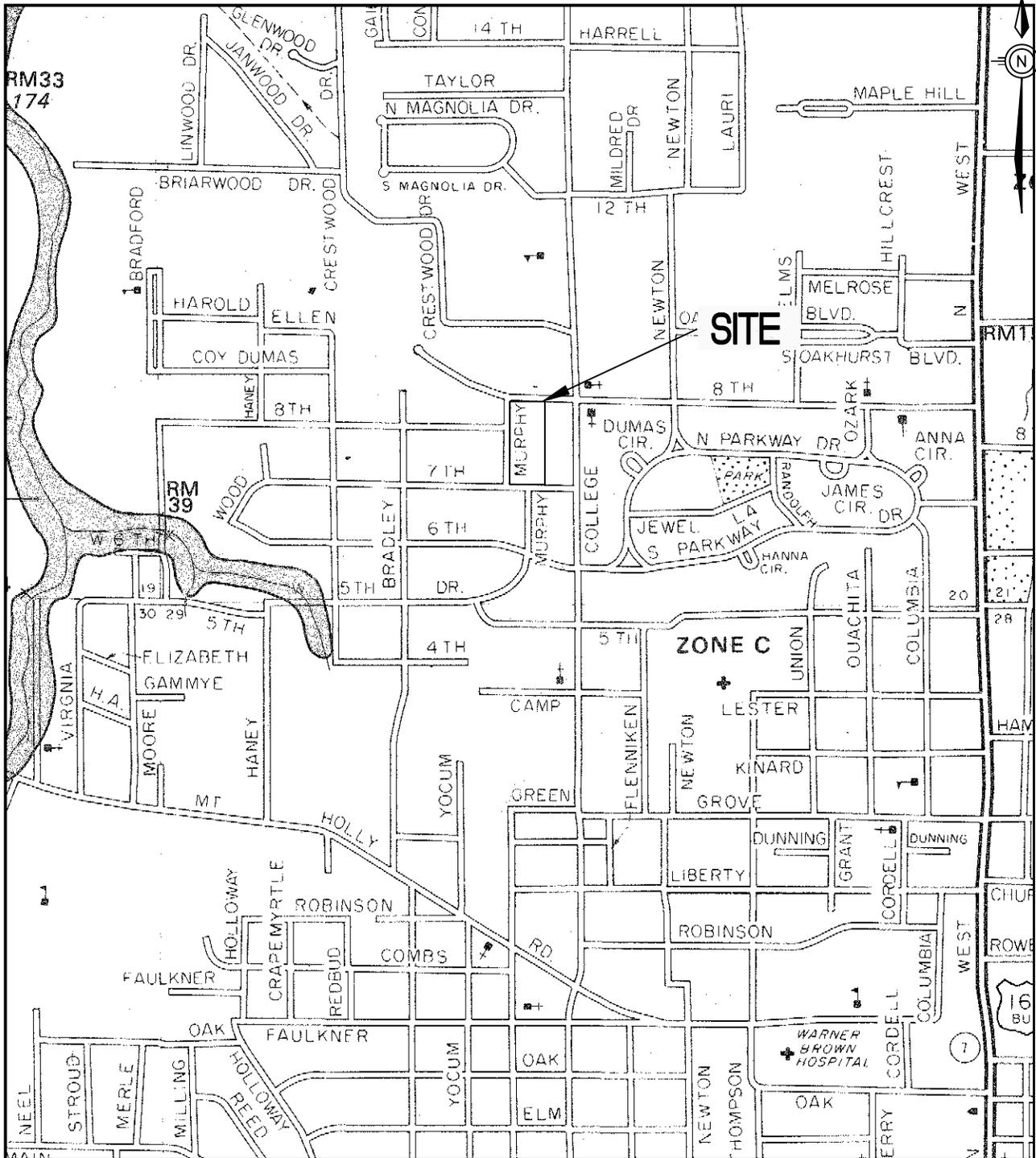


FIGURE 10
FEMA FLOOD PLAIN MAP
ENVIRONMENTAL CONDITION OF PROPERTY
RUFUS N. GARRETT JR. USARC
EL DORADO, ARKANSAS

REQUESTED BY: D. FELTER	 B(a) joint venture
DRAWN BY: BRONSON	
DWG DATE: 08/29/06	
DWG NO: 802978B055	

SOURCE:
U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
FEDERAL INSURANCE ADMINISTRATION
(NOVEMBER 15, 1979)

Appendix B
Site Reconnaissance Photographs

**Rufus N. Garrett Jr. USAR Center
815 West 8th Street
El Dorado, AR**



Photo 1: The Rufus N. Garrett Jr. U.S. Army Reserve Center occupies an approximately 150,000-square-foot site at 815 West 8th Street in El Dorado, Arkansas. View of front lawn looking to the northwest.



Photo 2: View of north adjacent property which is occupied by a church and is zoned commercial.

Rufus N. Garrett Jr. USAR Center
815 West 8th Street
El Dorado, AR



Photo 3: View of east adjacent property. The eastern adjoining properties are all residential and the zoning is also residential.



Photo 4: View to the south of subject property. The southern boundary adjoining properties are residential and also zoned residential. Note, pole-mounted transformers circled in left background. Right background shows Storage Building.

Rufus N. Garrett Jr. USAR Center
815 West 8th Street
El Dorado, AR



Photo 5: View to the west along the south side of the Training Building showing residential apartments. West side of subject property is zoned commercial/residential.



Photo 6: View to the west of subject property showing a residential area.

Rufus N. Garrett Jr. USAR Center
815 West 8th Street
El Dorado, AR



Photo 7: Looking west from northwest corner of subject property at commercial garage.



Photo 8: Looking north of subject property at church parking lot. Note, fire hydrant and storm water drain occupying northwest corner of property.

Rufus N. Garrett Jr. USAR Center
815 West 8th Street
El Dorado, AR



Photo 9: View of pole mounted transformers located in northeast corner of property.



Photo 10: Looking north from gazebo. View of war trophy on the Site.

Rufus N. Garrett Jr. USAR Center
815 West 8th Street
El Dorado, AR



Photo 11: Looking south, at gazebo, from northeast corner of property. Note, Dumpster and storm water drain on left and kitchen grease trap in the right background.



Photo 12: View of Dumpster looking east from Training Building. Note, residential adjoining properties in background.

Rufus N. Garrett Jr. USAR Center
815 West 8th Street
El Dorado, AR



Photo 13: Looking north from Dumpster at storm water drain.



Photo 14: Looking north at the south side of the Training Building. The arrow points to a storm drain on the Site.

Rufus N. Garrett Jr. USAR Center
815 West 8th Street
El Dorado, AR



Photo 17: Looking southwest at grease trap on east side of Training Building. The kitchen and this associated grease trap are not in use.



Photo 18: View of water inside the grease trap.

Rufus N. Garrett Jr. USAR Center
815 West 8th Street
El Dorado, AR



Photo 19: View looking southwest at cooling equipment associated with the Training Building.



Photo 20: Looking north, inside Training Building boiler room. The piping insulation appeared new.

Rufus N. Garrett Jr. USAR Center
815 West 8th Street
El Dorado, AR



Photo 21: View inside boiler room in Training Building. Fluorescent tubes are stored here pending offsite recycling.



Photo 22: Typical office inside of Training Building.

Rufus N. Garrett Jr. USAR Center
815 West 8th Street
El Dorado, AR



Photo 23: View of workout equipment in Training Building.



Photo 24: View of basic household strength cleaning supplies found in janitor closet in Training Building.

Rufus N. Garrett Jr. USAR Center
815 West 8th Street
El Dorado, AR



Photo 25: View of kitchen in Training Building. The kitchen is not in use.



Photo 26: Floor drain in center of kitchen in Training Building.

Rufus N. Garrett Jr. USAR Center
815 West 8th Street
El Dorado, AR

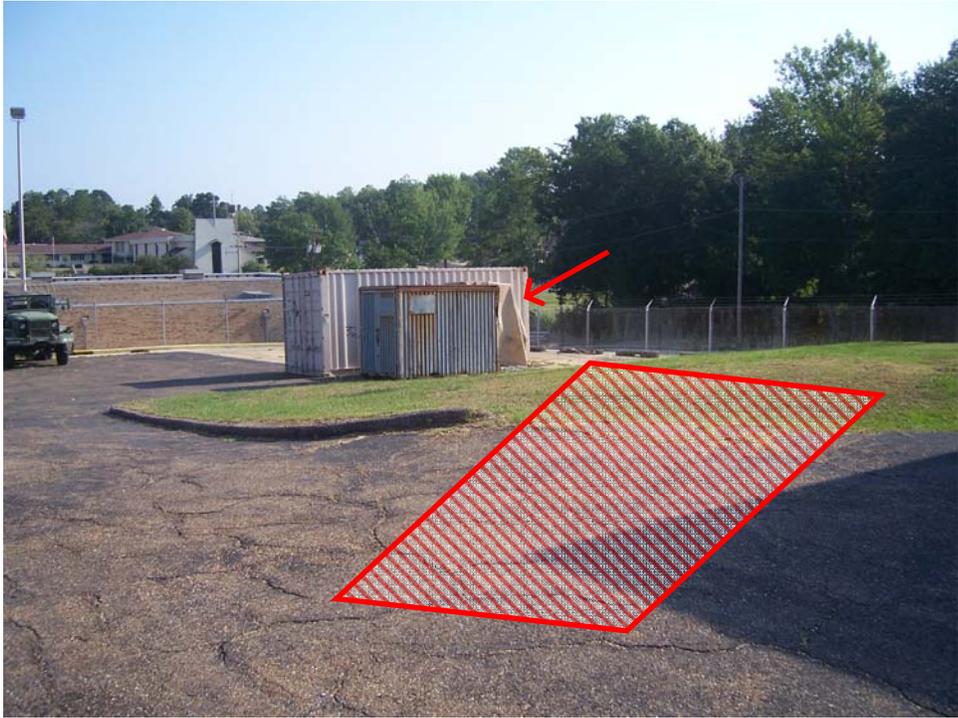


Photo 27: Looking north from the west side of the Storage Building, note storage containers in the center, surplus motor pool vehicle on the left, and a tarp covering a forklift on the right side (see arrow) of the small container. Also, the shaded area is the former vehicle wash rack (VWR) location as indicated by the 1998 Historic Architectural Resources report.



Photo 28: View inside of larger storage container. Container holds field food preparation equipment.

Rufus N. Garrett Jr. USAR Center
815 West 8th Street
El Dorado, AR



Photo 29: View inside of smaller storage container. Container holds field food preparation equipment.



Photo 30: Looking north from Storage Building at motor pool vehicles. Adequately sized, empty, oil catch pans to prevent engine oil from leaking onto the ground surface were under each vehicle. No stains were observed on the asphalt MEP area.

Rufus N. Garrett Jr. USAR Center
815 West 8th Street
El Dorado, AR



Photo 31: View of oil catch pan under a motor pool vehicle.



Photo 32: Looking southwest at the north side (front) of the Storage Building.

Rufus N. Garrett Jr. USAR Center
815 West 8th Street
El Dorado, AR



Photo 33: View looking to the east, showing west side of Storage Building.



Photo 34: Looking north at rear of Storage Building. Note lighter colored room off back of building formerly used for petroleum, oil, and lubricants (POL) storage. Also note forklift in right foreground and salvage drum to left of former POL storage.

Rufus N. Garrett Jr. USAR Center
815 West 8th Street
El Dorado, AR



Photo 35: View of forklift behind Storage Building. This forklift is not operational.



Photo 36: Salvage drum full of sand behind Storage Building, next to former POL storage room.

Rufus N. Garrett Jr. USAR Center
815 West 8th Street
El Dorado, AR



Photo 37: Looking northwest from the south side of the Storage Building at what appeared to be a removed grease rack.



Photo 38: View inside of former POL storage room. Room now houses field equipment.

Rufus N. Garrett Jr. USAR Center
815 West 8th Street
El Dorado, AR



Photo 39: View of inside Storage Building, field equipment stored inside of locked cage (right) and on rolling shelves (left side).



Photo 40: View of shelved field equipment in Storage Building.

Rufus N. Garrett Jr. USAR Center
815 West 8th Street
El Dorado, AR



Photo 41: Looking south at front of Storage Building and flammable storage room.



Photo 42: Typical storage in cabinets in flammable storage room.

Appendix C
Chain-of-Title Report



2055 East Rio Salado Parkway, Suite 201
Tempe, Arizona 85281

Phone: (480) 967-6752

Fax Number: (480) 966-9422

Web Site: www.netronline.com

HISTORICAL CHAIN OF TITLE REPORT

**RUFUS N. GARRETT, JR. USARC
815 WEST 8TH STREET
EL DORADO, ARKANSAS**

Submitted to:

TERRAINE, INC.
4002 Sutherland Ave
Knoxville, Tennessee 37919
(800) 531-1242

Attention: James Young

Project No. N06-4895

Tuesday, August 01, 2006

NETR- Real Estate Research & Information hereby submits the following ASTM historical chain-of-title to the land described below, subject to the leases/miscellaneous shown in Section 2. Title to the estate or interest covered by this report appears to be vested in:

UNITED STATES OF AMERICA

The following is the current property legal description:

All those certain pieces or parcels of land being Lots 12 thru 22, Block 1 of F. L. Dumas Subdivision No. 2, situated and lying in the Southeast $\frac{1}{4}$ of the Southwest $\frac{1}{4}$ of Section 20, Township 17 South, Range 15 West in the City of El Dorado, Union County, State of Arkansas

Assessor's Parcel No: 0860-00009-000

1. HISTORICAL CHAIN OF TITLE

1. WARRANTY DEED:

RECORDED: 11-03-1894
GRANTOR: John H. Hays
GRANTEE: Jerry Dumas and Carrie Dumas
INSTRUMENT: Bk 88, Pg 260

2. WARRANTY DEED:

RECORDED: 11-20-1916
GRANTOR: Jerry Dumas and Carrie Dumas, husband and wife
GRANTEE: J. A. Dumas
INSTRUMENT: Bk 54, Pg 331

3. WARRANTY DEED:

RECORDED: 06-24-1926
GRANTOR: J. A. Dumas and Georgia B. Dumas
GRANTEE: F. L. Dumas
INSTRUMENT: Bk 224, Pg 220

4. WARRANTY DEED:

RECORDED: 02-07-1944
GRANTOR: F. L. Dumas and Delva Dumas, husband and wife
GRANTEE: V. Victor Dumas
INSTRUMENT: Bk 481, Pg 100
COMMENTS: As to Lots 5, 18, 19, 20, 21, and 22.

5. WARRANTY DEED:

RECORDED: 06-17-1947
GRANTOR: F. L. Dumas and Delva Dumas
GRANTEE: V. Victor Dumas
INSTRUMENT: Bk 541, Pg 458
COMMENTS: As to Lots 6, 7, 16, and 17.

6. WARRANTY DEED:

RECORDED: 08-02-1950
GRANTOR: F. L. Dumas and Delva Dumas
GRANTEE: Van Victor Dumas, Sr.
INSTRUMENT: Bk 572, Pg 307
COMMENTS: As to Lots 12, 13, and 14.

7. WARRANTY DEED:

RECORDED: 04-26-1952
GRANTOR: F. L. Dumas and Delva Dumas
GRANTEE: Victor Dumas and Augusta Dumas
INSTRUMENT: Bk 623, Pg 205
COMMENTS: As to Lot 15

8. WARRANTY DEED:

RECORDED: 06-18-1959
GRANTOR: Van Victor Dumas, Sr., also known as Victor Dumas
and V. Victor Dumas and Augusta Dumas
GRANTEE: United States of America
INSTRUMENT: Bk 872, Pg 437

2. LEASES AND MISCELLANEOUS

1. No environmental liens, institutional controls or engineering controls were found of record.

3. LIMITATION

This report was prepared for the use of Terraine, Inc., exclusively. This report is neither a guarantee of title, a commitment to insure, or a policy of title insurance. NETR- Real Estate Research & Information does not guarantee nor include any warranty of any kind whether expressed or implied, about the validity of all information included in this report since this information is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.

APPENDIX E
REGULATORY DATABASE SEARCH RESULTS



EDR® Environmental
Data Resources Inc

The EDR Radius Map with GeoCheck®

**Rufus N. Garrett Jr. USARC
815 West 8th Street
El Dorado, AR 71730**

Inquiry Number: 1715401.2s

July 14, 2006

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

815 WEST 8TH STREET
EL DORADO, AR 71730

COORDINATES

Latitude (North): 33.224900 - 33° 13' 29.6"
Longitude (West): 92.675200 - 92° 40' 30.7"
Universal Transverse Mercator: Zone 15
UTM X (Meters): 530265.0
UTM Y (Meters): 3676075.0
Elevation: 234 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 33092-B6 EL DORADO WEST, AR
Most Recent Revision: 1981

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
Delisted NPL..... National Priority List Deletions
NPL RECOVERY..... Federal Superfund Liens
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
CORRACTS..... Corrective Action Report
RCRA-TSDF..... Resource Conservation and Recovery Act Information
RCRA-LQG..... Resource Conservation and Recovery Act Information

EXECUTIVE SUMMARY

RCRA-SQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SHWS	Hazardous Substance Remedial Action Trust Fund Priority List
SWF/LF	Solid Waste Facility Permit Database
SWID	Solid Waste Illegal Dumps Database
SWRCY	Recycling Directory
AST	Aboveground Tank Database
SPILLS	Emergency Response Incidents
INST CONTROL	Institutional Control/Land Use Restriction Sites
VCP	Voluntary Cleanup Program Sites
BROWNFIELDS	Brownfields Projects
ENF	Consent Administrative Order, Notice of Violation Information Database
AR Sludge	Poultry Sludge Permit Sites
PERMITS	Permit Data System
AIRS	Permitted Facility Emission & Stack Data
ASBESTOS	Asbestos Notification of Intent Database

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
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EDR PROPRIETARY RECORDS

Manufactured Gas Plants	EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations	EDR Proprietary Historic Gas Stations
EDR Historical Cleaners	EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STATE AND LOCAL RECORDS

LUST: LUST Notice Information.

A review of the LUST list, as provided by EDR, and dated 04/13/2006 has revealed that there is 1 LUST site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ABANDONED FACILITY	714 WEST GROVE	1/4 - 1/2SSE	2	10

UST: RST Owner & Facilities.

A review of the UST list, as provided by EDR, and dated 04/13/2006 has revealed that there is 1 UST site within approximately 0.25 miles of the target property.

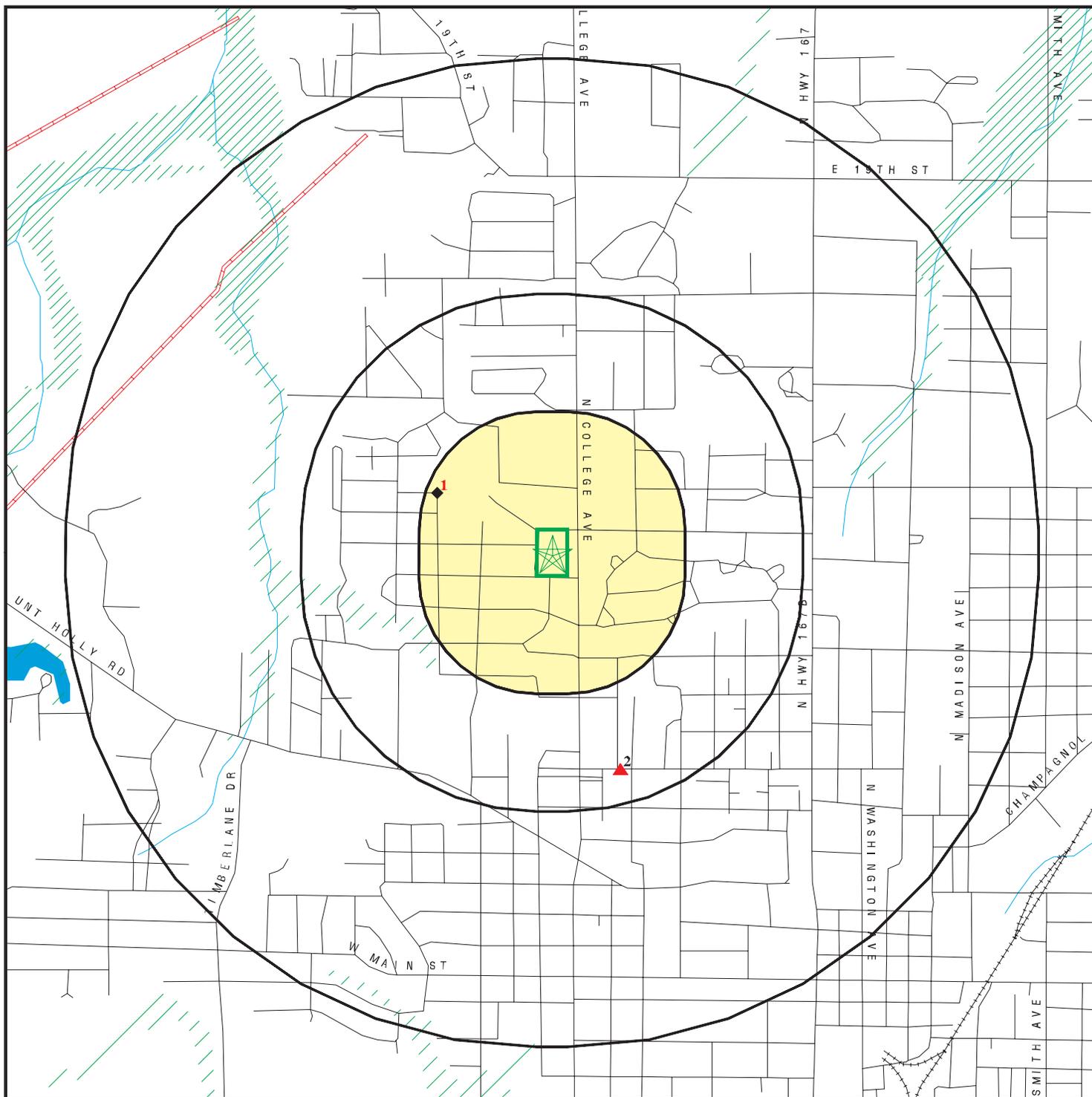
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>CUPPLES REFRIGERATION</i>	<i>1200 HAROLD ELLEN</i>	<i>1/8 - 1/4 WNW</i>	<i>1</i>	<i>6</i>

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
BIG CORNIE CREEK	CERCLIS
EL DORADO CHEMICAL COMPANY TRIBUTARY	CERCLIS
GRIFFING RAILWAY REPAIR CO	CERCLIS, RCRA-SQG, FINDS
GREAT LAKES CHEMICAL CORPORATION - SOUTH	FINDS, RCRA-LQG, TRIS, CORRACTS, CERC-NFRAP
ELDORADO CHEMICAL COMPANY SITE	PADS, FINDS, SWF/LF, RCRA-LQG, TRIS, ENF, CERC-NFRAP, PERMITS
F F & N OIL COMPANY	PERMITS
GILLER MANAGEMENT CORP.	UST, PERMITS
A & D VACUUM SERVICE	UST, PERMITS
MARY HARRIS TEXACO	UST, PERMITS
TEXAS EASTERN TRANSMISSION COR	UST, PERMITS
BRUMMETT GROCERY	UST, PERMITS
A. W. CORTNEY	UST, PERMITS
MURPHY OIL USA INC -SID CAMPBE	UST, PERMITS
UNION SHOPPING CENTER	UST, PERMITS
PAPA'S GROCERY	UST, PERMITS
A-1 VACUUM SERVICE	UST, PERMITS
ARKANSAS TRANSPORT COMPANY	UST, PERMITS
O. D. GOODWIN GROCERY	UST, PERMITS
SMOKEY'S TEXACO	UST, PERMITS
ARKANSAS CHEMICALS, INC.	UST, PERMITS
B.H.P. PETROLEUM CORP.	UST, PERMITS
DUMAS CONSTRUCTION	UST, PERMITS
R & M COUNTRY STORE	UST, PERMITS
K & S GROCERY	UST, PERMITS
ARKLA WOOD	UST, PERMITS
POPILE, INC. SUPERFUND SITE	UST, PERMITS
UNION COUNTY WT COLLECTION	SWF/LF
GET RID OF IT	SWF/LF
GREAT LAKES WEST DONT CHANGE 11-94	SWF/LF
UNITED PARCEL SERVICE	UST
R - M COUNTRY STORE	UST
PIGEON HILL GRO.	AST
TRANSPORT CO INC	RCRA-SQG, FINDS
UNITED PARCEL SVC - EL DORADO	RCRA-SQG, FINDS
ENTERGY ARKANSAS EL DORADO DONAN SUB	RCRA-SQG, FINDS
A-1 VACUUM TRUCK SERVICE INC	RCRA-SQG, FINDS
HARRELLS PARKVIEW CLNRS	RCRA-SQG, FINDS
4500 N.W. AVE	ERNS
J. S. BEEBE, JR. - BEEBE, ALPHIN 6 LEASE	FINDS
J. S. BEEBE, JR. - BEEBE, ALPHIN 6 LEASE	ICIS

OVERVIEW MAP - 1715401.2s



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Landfill Sites
-  Dept. Defense Sites

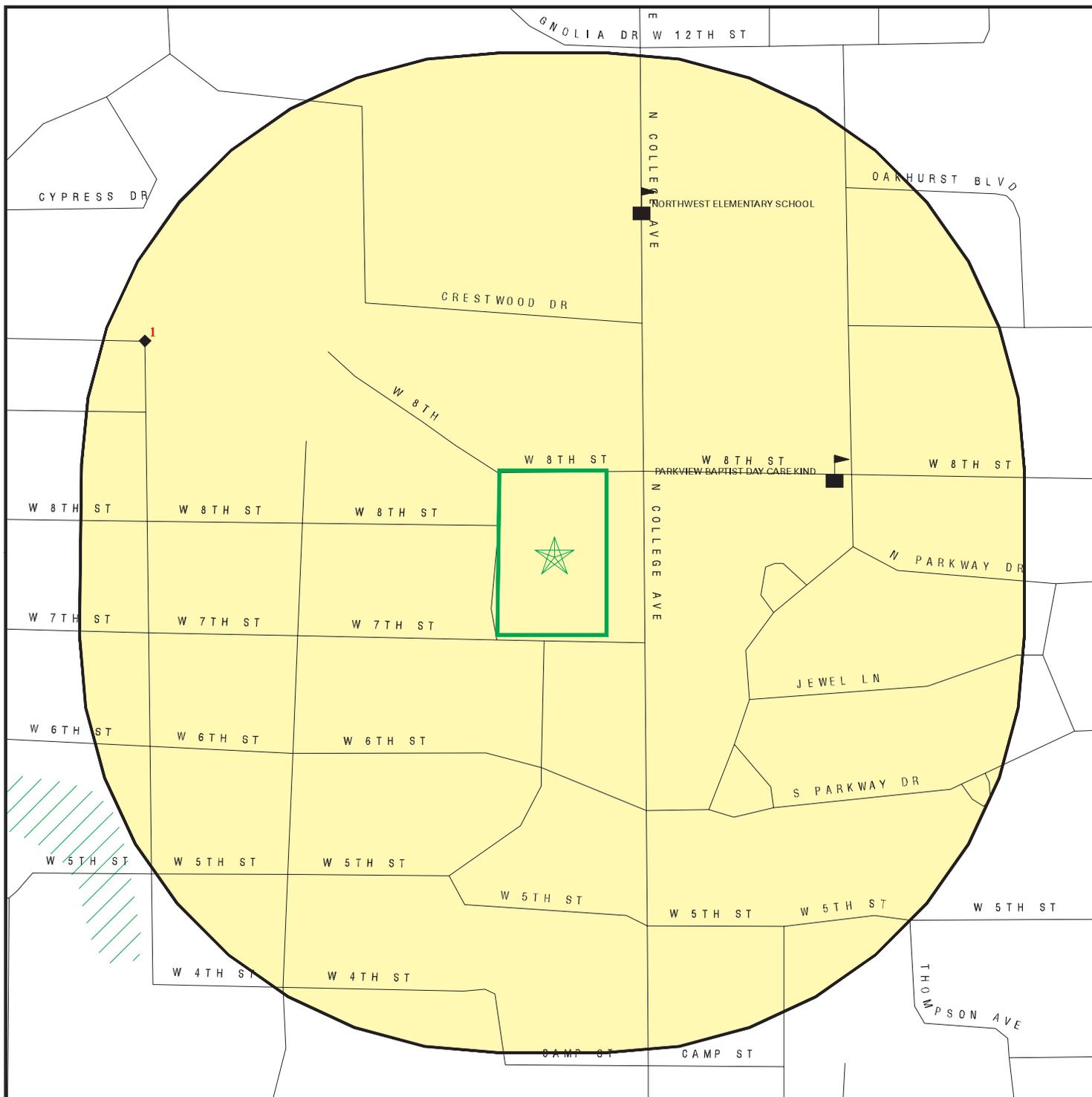
-  Indian Reservations BIA
-  Oil & Gas pipelines
-  100-year flood zone
-  500-year flood zone

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

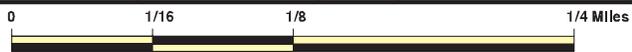
SITE NAME: Rufus N. Garrett Jr. USARC
 ADDRESS: 815 West 8th Street
 EI Dorado AR 71730
 LAT/LONG: 33.2249 / 92.6752

CLIENT: ENSAFE
 CONTACT: Phil Hardy
 INQUIRY #: 1715401.2s
 DATE: July 14, 2006

DETAIL MAP - 1715401.2s



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Landfill Sites
-  Dept. Defense Sites



-  Indian Reservations BIA
-  Oil & Gas pipelines
-  100-year flood zone
-  500-year flood zone



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Rufus N. Garrett Jr. USARC
 ADDRESS: 815 West 8th Street
 EI Dorado AR 71730
 LAT/LONG: 33.2249 / 92.6752

CLIENT: ENSAFE
 CONTACT: Phil Hardy
 INQUIRY #: 1715401.2s
 DATE: July 14, 2006

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL RECORDS</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY	TP		NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
ERNS	TP		NR	NR	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
State Haz. Waste		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
SWID		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	1	NR	NR	1
UST		0.250	0	1	NR	NR	NR	1
AST		0.250	0	0	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0
ENF	TP		NR	NR	NR	NR	NR	0
AR Sludge		0.500	0	0	0	NR	NR	0
PERMITS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
AIRS		TP	NR	NR	NR	NR	NR	0
ASBESTOS		TP	NR	NR	NR	NR	NR	0
<u>TRIBAL RECORDS</u>								
INDIAN RESERV		1.000	0	0	0	0	NR	0
<u>EDR PROPRIETARY RECORDS</u>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		TP	NR	NR	NR	NR	NR	0
EDR Historical Cleaners		TP	NR	NR	NR	NR	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)
 EDR ID Number
 EPA ID Number

1
WNW
1/8-1/4
1192 ft.

CUPPLES REFRIGERATION
1200 HAROLD ELLEN
EL DORADO, AR 71730

UST **U001905008**
PERMITS **N/A**

Relative:
Lower

PERMIT:

Actual:
221 ft.

Facility Type Desc:	Standard
Alternate Facility Name:	Not reported
Facility Status Code:	A
AFIN:	7000833
AFIN Status Date:	Not reported
AFIN Status Desc:	Active
Type Description:	STD
Owner Name:	EC HAMMOND OIL CO
Owner ID:	003151
Secondary Facility Address:	Not reported
Facility Invoice Billing Month:	Not reported
Facility Invoice Phone Number:	Not reported
Facility Invoice Comments:	Not reported
Facility Invoice Address:	Not reported
Facility Invoice City,St,Zip:	Not reported
Facility Invoice Country:	Not reported
Facility Telephone:	Not reported
Facility Fax:	Not reported
Facility Email:	Not reported
Mailing Address 1:	Not reported
Mailing Country:	Not reported
Other Identifier:	Not reported
Primary SIC Code:	Not reported
Secondary SIC Code:	Not reported
Tertiary SIC Code:	Not reported
Primary NAIC Code:	Not reported
Secondary NAIC Code:	Not reported
Tertiary NAICS Code:	Not reported
GIS Original Coordinate System:	Not reported
GIS Original Datum Code:	Not reported
GIS Current Datum Code:	Not reported
UTM Northing:	Not reported
UTM Easting:	Not reported
UTM Zone:	Not reported
Section/Township/Range:	Not reported
GIS Date Measured:	Not reported
GIS Source Name:	Not reported
GIS Collector Staff Code:	Not reported
GIS Certified Measurement:	No
GPS Receiver Type Name:	Not reported
GPS Receiver Channels:	Not reported
GIS Base Station Name:	Not reported
GIS Base Station Distance:	Not reported
GIS Min Point Positions:	Not reported
GIS Pdrop Mask:	Not reported
GIS Snr Mask:	Not reported
GIS Horizontal Accuracy:	Not reported
GIS Comment:	Not reported
GIS Huc:	Not reported
GIS Planning Segment:	Not reported
GIS Ark Sen Dist:	Not reported
GIS Ark Rep Dist:	Not reported
Created By:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CUPPLES REFRIGERATION (Continued)

U001905008

Record Created: 5/15/2005
Modified By: Not reported
Modified Date: Not reported
Primary SIC Desc: Not reported
Secondary SIC Desc: Not reported
Tertiary SIC Desc: Not reported
Primary NAICS Desc: Not reported
Secondary NAICS Desc: Not reported
Tertiary NAICS Desc: Not reported
Latitude Degree: Not reported
Latitude Minute: Not reported
Latitude Second: Not reported
Longitude Degree: Not reported
Longitude Minute: Not reported
Longitude Second: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
Comments: New RST; RST Conversion Project 05/15/2005
Permit Number: 70000087
Permit Issued Date: Not reported
Permit Modified Date: Not reported
Permit Expiration Date: Not reported
Permit Void Date: Not reported
Permit Notice of Intent Date: Not reported
SW Div Fac Open Closed Code: Not reported
SW Div Fac Open Closed Desc: Not reported
Permit Post Closure Date: Not reported
Permit Media: R
Permit Type: Not reported
Permit Staff: Not reported
Permit Status: Not reported
Permit Status Date: Not reported
Initial Payment Fee Inventory Number: Not reported
Permit Fee Code: Not reported
Permit Fee Volume: Not reported
Permit Inventory Comment: Not reported
Permit Inv Comment Prt: N
Permit Inv Single Prt: N
Permit Inv Single Lbl: N
Permit Contact Name: E. C. HAMMOND OIL
Permit Contact Telephone: 5010000000
Permit Mail Address 1: CUPPLES REFRIGERATION
Permit Mail Address 2: 1200 HAROLD ELLEN
Permit Mail City,St,Zip: EL DORADO, AR 71730
Permit Contact Fax Number: Not reported
Permit Contact Email Address: Not reported
Permit GIS Original Coordinate System: Not reported
Permit GIS Original Datum Code: Not reported
Permit GIS Current Datum Code: Not reported
Permit UTM Northing: Not reported
Permit UTM Easting: Not reported
Permit UTM Zone: Not reported
Permit Section Township Range: Not reported
Permit GIS Date Measured: Not reported
Permit GIS Source Name: Not reported
Permit GIS Collector Staff Code: Not reported
Permit GIS Certified Measurement: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

CUPPLES REFRIGERATION (Continued)

U001905008

Permit GPS Receiver Type Name: Not reported
 Permit GPS Receiver Cannels: Not reported
 Permit GIS Base Station Name: Not reported
 Permit GIS Base Station Distance: Not reported
 Permit GIS Min Point Positions: Not reported
 Permit GIS PDOP Mask: Not reported
 Permit GIS SNR Mask: Not reported
 Permit GIS Horizontal Accuracy: Not reported
 Permit GIS Comment: Not reported
 Permit GIS Huc: Not reported
 Permit GIS Planning Segment: Not reported
 Permit GIS Ark Sen Dist: Not reported
 Permit GIS Ark Rep Dist: Not reported
 Permit Prior Permit Number: Not reported
 Permit Other Identifier: Not reported
 Permit Primary SIC Code: Not reported
 Permit Secondary SIC Code: Not reported
 Permit Record Created: 2/22/1991
 Permit Media Description: RST
 Permit Type: Not reported
 Permit Status Description: Not reported
 Permit Fee Description: Not reported
 Permit Staff Name: Not reported
 Permit Latitude Degree: Not reported
 Permit Latitude Minute: Not reported
 Permit Latitude Second: Not reported
 Permit Longitude Degree: Not reported
 Permit Longitude Minute: Not reported
 Permit Longitude Second: Not reported
 Permit Latitude Decimal: Not reported
 Permit Longitude Decimal: Not reported
 Permit History: Not reported
 Permit Comment: Not reported

UST:

Facility ID: 70000087	Tank ID: 1
Tank Status: Permanently Out of Service / /	
Install Date: 01/01/80	
Tank Contents: Empty, Gasoline	Cerclis Name: Not reported
Tank Material: Steel	
GIS Location: 0	Federal Flag: Not reported
Hazardous: Not reported	
Entry Clerk: Not reported	Entry Date: 02/22/91
Update Clerk: Not reported	Update Date: / /
Date Recieved: 4/18/1986	Location SIC: Not reported
Latitude: Not reported	Longitude: Not reported
Contact Name: E. C. HAMMOND OIL	Contact Title: NOT LISTED
Contact Phone: 501-000-0000	
Certified Name: RODNEY LANDES	Certified Title: PRESIDENT
Date Signed: 4/16/1986	Amended: No
Above Ground: No	Below Ground: Yes
Lust Flag: No	Leak ID Number: Not reported
No Bill: No	
Capacity in Gallons: 560	
Number of Compartments: 1	
Site Assesment Date: / /	

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

CUPPLES REFRIGERATION (Continued)

U001905008

Site Assessment Leak:	Not reported
Release Detection:	Unknown
Release Detection Install Date:	/ /
Tank External Corrosion Protection:	Asphalt, / /
Tank Ext Corrosion Protection Install Date:	/ /
Pipe Material:	Galvanized Steel
Pipe Type:	Unknown
Piper Release Detection:	Unknown
Pipe Corrosion Protection:	Unknown
Tank Spill and Overfill Protection:	Unknown
Pipe Repaired:	/ /
Pipe Corrosion Protection:	Unknown
Certificate of Compliance Final Test Date:	/ /
Certificate of Compliance Test Company Licence:	Not reported
Certificate of Compliance Tester License:	Not reported
Certificate of Compliance Installation Date:	/ /
Certificate of Compliance Install Company Licence:	Not reported
Certificate of Compliance Installer License:	Not reported
Corrosion Protection:	Not reported
Spill and Overflow:	Not reported
Release Detection:	Not reported
ADEQ Facility ID:	7000833
ADEQ Facility ID (with dash):	70-00833
Date Reg. Cert. Issued:	Not reported
Active Site:	No
Aboveground in Use:	No
Underground in Use:	No
Inspection with Pix:	No
Inspection with Reports:	No
Owner ID:	003151
Owner Name:	EC HAMMOND OIL CO
Owner Address:	1007 SCHOOL ST
Owner City,St,Zip:	No
Owner County:	UNION
Owner Country:	Not reported
Owner Phone:	870-863-4274
Owner Type:	1
Tank Comments:	Not reported

AST/UST Eligible:

Date Eligible:	Not reported
Transaction Code:	Not reported
Entry Clerk:	Not reported
Entry Date:	Not reported
Update Clerk:	Not reported
Update Data:	Not reported
Eligibility Description:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

2 **ABANDONED FACILITY**
SSE **714 WEST GROVE**
1/4-1/2 **EL DORADO, AR 71730**
2245 ft.

LUST **S106571061**
N/A

Relative:
Higher

LUST:

Actual:
250 ft.

Notification Date: 4/27/1990 8:30:00 AM
 Notification Name: CONTACT: HAROLD CHANDLER
 Notification Address: Not reported
 Notification City,St,Zip: AR
 Notification Telephone: 5018627921
 Facility Address 2: Not reported
 Facility Telephone: 5018627921
 Facility County: 70
 Notice Number: 700005
 Received By: 26690
 Owner: S. E. REGIONAL HEALTH CENTER
 Leak Date: 4/27/1990
 Leak Cause: UNKNOWN. TANK ABANDONED SINCE 1973.
 Leak Damage: UNKNOWN.
 Leak Volume: 10
 Tech Branch: Not reported
 AFIN Number: 7000000
 RST Facility ID: Not reported
 Lust Tank Type: Unknown
 Lust Owner: Not reported
 Lust Discovery: Other (See Comments Tab)
 Release Status: Suspected
 Emergency Response: Not reported
 Emergency Response 2: Not reported
 Substance Stored: Unknown
 Damage Description: Not reported
 Hazard Abatement: Not reported
 Remedial Action: Not reported
 Cleanup Initiated: Not reported
 ISC Date: Not reported
 Priority Score: Not reported
 SAR Date: Not reported
 Cap Submit: Not reported
 Public Notify: Not reported
 Cap Approve: Not reported
 NFA Issued: Not reported
 Funding Source: Not reported
 Cleanup Lead: Not reported
 Gis Location: Not reported
 Lust Tank Type 2: Unknown
 RST Modified By: Not reported
 RST Modified Dt: Not reported
 Memo: METHOD OF DISCOVERY: RISING GROUNDWATER. TANK CLOSURE PROCEDURES INITIATED.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
EL DORADO	S106418647	F F & N OIL COMPANY	S13 / 14 T18S R14W	71730	PERMITS
EL DORADO	U001905033	GILLER MANAGEMENT CORP.	RT 1 BOX 197H	71730	UST, PERMITS
EL DORADO	U001904982	A & D VACUUM SERVICE	ROUTE 1, BOX 131	71730	UST, PERMITS
EL DORADO	1008377389	BIG CORNIE CREEK	HIGHWAY 15	71730	CERCLIS
EL DORADO	1001814738	TRANSPORT CO INC	HWY 15S	71730	RCRA-SQG, FINDS
EL DORADO	U001905019	MARY HARRIS TEXACO	HIGHWAY 167 NORTH	71730	UST, PERMITS
EL DORADO	U001905070	TEXAS EASTERN TRANSMISSION COR	HIGHWAY 167 NORTH	71730	UST, PERMITS
EL DORADO	1000158607	GREAT LAKES CHEMICAL CORPORATION - SOUTH	ROUTE 2 US 167	71730	FINDS, RCRA-LQG, TRIS, CORRACT CERC-NFRAP
EL DORADO	U001222467	BRUMMETT GROCERY	ROUTE 2, BOX 54-A	71730	UST, PERMITS
EL DORADO	U001222469	A. W. CORTNEY	ROUTE 2, BOX 101	71730	UST, PERMITS
EL DORADO	U001905049	MURPHY OIL USA INC -SID CAMPBE	ROUTE 2, BOX 163	71730	UST, PERMITS
EL DORADO	U001222491	UNION SHOPPING CENTER	ROUTE 3	71730	UST, PERMITS
EL DORADO	U001905043	PAPA'S GROCERY	ROUTE 3 BOX 140-B	71730	UST, PERMITS
EL DORADO	U001222414	A-1 VACUUM SERVICE	ROUTE 3, BOX 146 A	71730	UST, PERMITS
EL DORADO	U001222587	ARKANSAS TRANSPORT COMPANY	RT 3, BOX 1 (HWY 15) E. MAIN R	71730	UST, PERMITS
EL DORADO	U001905012	O. D. GOODWIN GROCERY	ROUTE 3, BOX 40-G	71730	UST, PERMITS
EL DORADO	U001222441	UNITED PARCEL SERVICE	RTE 5, BOX 305 HWY 82	71730	UST
EL DORADO	U001222485	SMOKEY'S TEXACO	ROUTE 5, BOX 95K	71730	UST, PERMITS
EL DORADO	U001222410	ARKANSAS CHEMICALS, INC.	ROUTE 6, BOX 98	71730	UST, PERMITS
EL DORADO	U001905005	B.H.P. PETROLEUM CORP.	ROUTE 6, BOX 157	71730	UST, PERMITS
EL DORADO	1000191313	ELDORADO CHEMICAL COMPANY SITE	HWY 7 SPUR NORTH	71730	PADS, FINDS, SWF/LF, RCRA-LQG, TRIS, ENF, CERC-NFRAP, PERMITS
EL DORADO	1008377390	EL DORADO CHEMICAL COMPANY TRIBUTARY	HIGHWAY 7 SOUTH BYPASS	71730	CERCLIS
EL DORADO	U001222437	DUMAS CONSTRUCTION	ROUTE 8, BOX 81	71730	UST, PERMITS
EL DORADO	1004672852	UNITED PARCEL SVC - EL DORADO	HWY 82 & PONDEROSA DR	71730	RCRA-SQG, FINDS
EL DORADO	U001222539	R - M COUNTRY STORE	HWY 82	71730	UST
EL DORADO	U001222556	R & M COUNTRY STORE	HIGHWAY 82 WEST - MAGNOLIA HWY	71730	UST, PERMITS
EL DORADO	2005618964	4500 N.W. AVE	4500 N.W. AVE	71730	ERNS
EL DORADO	S106802858	UNION COUNTY WT COLLECTION	1403 EAST HILLSBORO	71730	SWF/LF
EL DORADO	1001212503	ENTERGY ARKANSAS EL DORADO DONAN SUB	2.5M N HWY 15/167 ON 167	71730	RCRA-SQG, FINDS
EL DORADO	S107766137	GET RID OF IT	331 JOHNSTON FARM ROAD	71730	SWF/LF
EL DORADO	U001905014	K & S GROCERY	JUNCTION CITY HWY	71730	UST, PERMITS
EL DORADO	1000454159	A-1 VACUUM TRUCK SERVICE INC	MORO BAY HWY 15	71730	RCRA-SQG, FINDS
EL DORADO	A100040935	PIGEON HILL GRO.	1814 MORO BAY HWY	71730	AST
EL DORADO	1009271940	J. S. BEEBE, JR. - BEEBE, ALPHIN 6 LEASE	203 NEAL	71730	ICIS
EL DORADO	1004436740	J. S. BEEBE, JR. - BEEBE, ALPHIN 6 LEASE	203 NEAL	71730	FINDS
EL DORADO	1004672741	HARRELLS PARKVIEW CLNRS	103 N PARKWAY	71730	RCRA-SQG, FINDS
EL DORADO	1000228967	GRIFFING RAILWAY REPAIR CO	SCHOOL STREET BOX 1735	71730	CERCLIS, RCRA-SQG, FINDS
EL DORADO	U001904979	ARKLA WOOD	STATE LINE ROAD, ROUTE 1	71730	UST, PERMITS
EL DORADO	U003718721	POPILE, INC. SUPERFUND SITE	SOUTH WEST AVENUE / US. HWY 82	71730	UST, PERMITS
MARYSVILLE	S100001976	GREAT LAKES WEST DONT CHANGE 11-94	HWY 82	71730	SWF/LF

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	Data Release Frequency: Quarterly

NPL RECOVERY: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 05/23/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 08/21/2006
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/01/2006	Source: EPA
Date Data Arrived at EDR: 03/21/2006	Telephone: 703-413-0223
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/01/2006	Source: EPA
Date Data Arrived at EDR: 03/21/2006	Telephone: 703-413-0223
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/23/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006	Source: EPA
Date Data Arrived at EDR: 03/17/2006	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 05/21/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/04/2006
	Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/09/2006	Source: EPA
Date Data Arrived at EDR: 04/27/2006	Telephone: 800-424-9346
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 08/21/2006
	Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2005	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/12/2006	Telephone: 202-260-2342
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 04/26/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/24/2006
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2005	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-366-4555
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/14/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2004	Source: USGS
Date Data Arrived at EDR: 02/08/2005	Telephone: 703-692-8801
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 05/12/2006
Number of Days to Update: 177	Next Scheduled EDR Contact: 08/07/2006
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/05/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 01/19/2006	Telephone: 202-528-4285
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 04/26/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/27/2006	Telephone: 202-566-2777
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/12/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/2004	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/2005	Telephone: Varies
Date Made Active in Reports: 04/25/2005	Last EDR Contact: 03/13/2006
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/24/2006
	Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/13/2006	Source: EPA
Date Data Arrived at EDR: 04/28/2006	Telephone: 703-416-0223
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 32	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 11/04/2005	Source: Department of Energy
Date Data Arrived at EDR: 11/28/2005	Telephone: 505-845-0011
Date Made Active in Reports: 01/30/2006	Last EDR Contact: 06/21/2006
Number of Days to Update: 63	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2003	Source: EPA
Date Data Arrived at EDR: 07/13/2005	Telephone: 202-566-0250
Date Made Active in Reports: 08/17/2005	Last EDR Contact: 06/22/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/12/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/29/2006	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/26/2006	Telephone: 202-566-1667
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 03/31/2006	Source: EPA
Date Data Arrived at EDR: 04/26/2006	Telephone: 202-566-1667
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 05/11/2006	Telephone: 202-564-4203
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 03/06/2006
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 02/13/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/21/2006	Telephone: 202-564-5088
Date Made Active in Reports: 05/11/2006	Last EDR Contact: 04/11/2006
Number of Days to Update: 20	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/27/2005	Source: EPA
Date Data Arrived at EDR: 02/08/2006	Telephone: 202-566-0500
Date Made Active in Reports: 02/27/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/07/2006
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/12/2006	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 04/26/2006	Telephone: 301-415-7169
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/09/2006	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 03/29/2006	Telephone: 303-231-5959
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/25/2006
	Data Release Frequency: Semi-Annually

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/27/2006	Source: EPA
Date Data Arrived at EDR: 05/02/2006	Telephone: N/A
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/03/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 07/03/2006
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/05/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/04/2006
	Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 06/17/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 06/30/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

SHWS: Hazardous Substance Remedial Action Trust Fund Priority List

A partial prioritized listing of sites at which remedial actions and/or investigations shall be provided by the Hazardous Substance Remedial Action Trust Fund.

Date of Government Version: 12/02/2005
Date Data Arrived at EDR: 01/09/2006
Date Made Active in Reports: 02/07/2006
Number of Days to Update: 29

Source: Department of Environmental Quality
Telephone: 501-682-0850
Last EDR Contact: 07/12/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Annually

SWF/LF: Solid Waste Facility Permit Database

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 06/06/2006
Date Data Arrived at EDR: 06/07/2006
Date Made Active in Reports: 06/29/2006
Number of Days to Update: 22

Source: Department of Environmental Quality
Telephone: 501-682-0597
Last EDR Contact: 06/07/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Quarterly

SWID: Solid Waste Illegal Dumps Database

Date of Government Version: 06/05/2006
Date Data Arrived at EDR: 06/07/2006
Date Made Active in Reports: 06/29/2006
Number of Days to Update: 22

Source: Department of Environmental Quality
Telephone: 501-682-0600
Last EDR Contact: 06/07/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Quarterly

SWRCY: Recycling Directory

A listing of recycling facilities.

Date of Government Version: 06/05/2006
Date Data Arrived at EDR: 06/07/2006
Date Made Active in Reports: 06/29/2006
Number of Days to Update: 22

Source: Department of Environmental Quality
Telephone: 501-682-0865
Last EDR Contact: 06/07/2006
Next Scheduled EDR Contact: 09/04/2006
Data Release Frequency: Semi-Annually

LUST: Leaking Underground Storage Tank Data

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 04/13/2006
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/17/2006
Number of Days to Update: 33

Source: Department of Environmental Quality
Telephone: 501-682-0984
Last EDR Contact: 04/14/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Quarterly

UST: Underground Storage Tank Data

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/13/2006
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 40

Source: Department of Environmental Quality
Telephone: 501-682-0984
Last EDR Contact: 04/14/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Quarterly

AST: Aboveground Tank Database
Aboveground storage tank locations.

Date of Government Version: 04/13/2006
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 40

Source: Department of Environmental Quality
Telephone: 501-682-0984
Last EDR Contact: 04/14/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Quarterly

SPILLS: Emergency Response Incidents
Spills and releases notified to the Department of Environmental Quality

Date of Government Version: 05/07/2006
Date Data Arrived at EDR: 05/09/2006
Date Made Active in Reports: 06/05/2006
Number of Days to Update: 27

Source: Department of Environmental Quality
Telephone: 501-682-0716
Last EDR Contact: 05/09/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Quarterly

INST CONTROL: Institutional Control/Land Use Restriction Sites
Sites that have institutional controls and/or land use restrictions in place.

Date of Government Version: 12/01/2005
Date Data Arrived at EDR: 01/03/2006
Date Made Active in Reports: 02/07/2006
Number of Days to Update: 35

Source: Department of Environmental Quality
Telephone: 501-682-0867
Last EDR Contact: 06/16/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Sites
A listing of Voluntary Cleanup Program projects.

Date of Government Version: 01/12/2006
Date Data Arrived at EDR: 01/23/2006
Date Made Active in Reports: 02/27/2006
Number of Days to Update: 35

Source: Department of Environmental Quality
Telephone: 501-682-0867
Last EDR Contact: 07/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Varies

BROWNFIELDS: Brownfields Projects
Projects that the Department of Environmental Quality has received Brownfields applications for.

Date of Government Version: 12/01/2005
Date Data Arrived at EDR: 01/03/2006
Date Made Active in Reports: 02/07/2006
Number of Days to Update: 35

Source: Department of Environmental Quality
Telephone: 501-682-0867
Last EDR Contact: 06/16/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Varies

ENFORCEMENT: Consent Administrative Order, Notice of Violation Information Database
Violations issued to facilities in various Department of Environmental Quality programs, including Air, Hazardous Waste, Storage Tanks, Solid Waste and Water.

Date of Government Version: 04/13/2006
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/17/2006
Number of Days to Update: 33

Source: Department of Environmental Quality
Telephone: 501-682-0892
Last EDR Contact: 04/14/2006
Next Scheduled EDR Contact: 07/17/2006
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SLUDGE: Poultry Sludge Permit Sites

Broiler fryer roast chickens, chicken eggs, poultry hatcheries, poultry and egg processing sites.

Date of Government Version: 04/10/2006
Date Data Arrived at EDR: 04/11/2006
Date Made Active in Reports: 05/17/2006
Number of Days to Update: 36

Source: Department of Environmental Quality
Telephone: 501-682-0673
Last EDR Contact: 07/12/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Quarterly

PERMITS: Permit Data System

A list of sites permitted by the Department of Environmental Quality, including Air, Mining, Solid Waste and Water.

Date of Government Version: 04/10/2006
Date Data Arrived at EDR: 04/11/2006
Date Made Active in Reports: 05/17/2006
Number of Days to Update: 36

Source: Department of Environmental Quality
Telephone: 501-682-0673
Last EDR Contact: 07/12/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Quarterly

AIRS: Permitted Facility Emission & Stack Data

Permitted facility emissions and stack data for the state.

Date of Government Version: 04/24/2006
Date Data Arrived at EDR: 05/01/2006
Date Made Active in Reports: 06/05/2006
Number of Days to Update: 35

Source: Department of Environmental Quality
Telephone: 501-682-0726
Last EDR Contact: 05/01/2006
Next Scheduled EDR Contact: 07/24/2006
Data Release Frequency: Quarterly

ASBESTOS: Asbestos Notification of Intent Database

The database contains all properties/facilities that have submitted a Notice of Intent for renovation or demolition activities.

Date of Government Version: 05/21/2006
Date Data Arrived at EDR: 05/22/2006
Date Made Active in Reports: 06/29/2006
Number of Days to Update: 38

Source: Department of Environmental Quality
Telephone: 501-682-0717
Last EDR Contact: 05/22/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Quarterly

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 05/12/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Semi-Annually

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/17/2006
Date Made Active in Reports: 04/07/2006
Number of Days to Update: 49

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 06/14/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/02/2006
Date Data Arrived at EDR: 05/31/2006
Date Made Active in Reports: 06/27/2006
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/31/2006
Next Scheduled EDR Contact: 08/28/2006
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 05/04/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 09/11/2006
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 09/30/2005
Date Data Arrived at EDR: 05/09/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 46

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 07/11/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands, Swamps, or Marshes

Source: Center for Advanced Spatial Technologies, University of Arkansas

Telephone: 605-594-6933

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

RUFUS N. GARRETT JR. USARC
815 WEST 8TH STREET
EL DORADO, AR 71730

TARGET PROPERTY COORDINATES

Latitude (North):	33.22490 - 33° 13' 29.6"
Longitude (West):	92.6752 - 92° 40' 30.7"
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	530265.0
UTM Y (Meters):	3676075.0
Elevation:	234 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	33092-B6 EL DORADO WEST, AR
Most Recent Revision:	1981

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

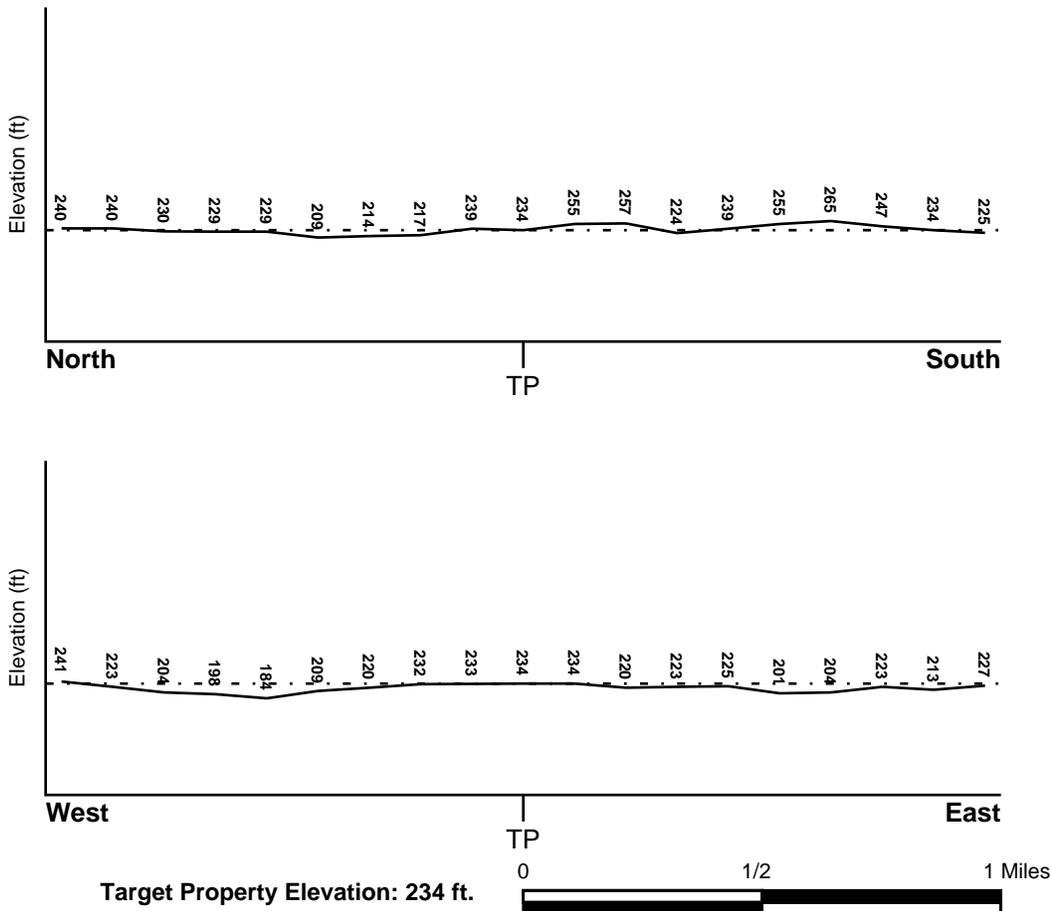
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General North

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u> UNION, AR	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	0502070010B
Additional Panels in search area:	0502070005B 0502050006A

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> NOT AVAILABLE	<u>NWI Electronic Data Coverage</u> Not Available
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HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Cenozoic
System: Tertiary
Series: Eocene Claiborne Group
Code: Te2 (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: SACUL
Soil Surface Texture: fine sandy loam
Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
Soil Drainage Class: Moderately well drained. Soils have a layer of low hydraulic conductivity, wet state high in the profile. Depth to water table is 3 to 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50
2	5 inches	9 inches	very fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50
3	9 inches	41 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 0.20 Min: 0.06	Max: 5.50 Min: 3.60
4	41 inches	80 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 5.50 Min: 3.60

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam
loam

Surficial Soil Types: silt loam
loam

Shallow Soil Types: silt loam
fine sandy loam
sandy clay loam
clay loam

Deeper Soil Types: silty clay
loam
silt loam
fine sandy loam
sand
sandy clay loam
very gravelly - sandy loam
sandy loam
stratified

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS2552703	1/2 - 1 Mile SSE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

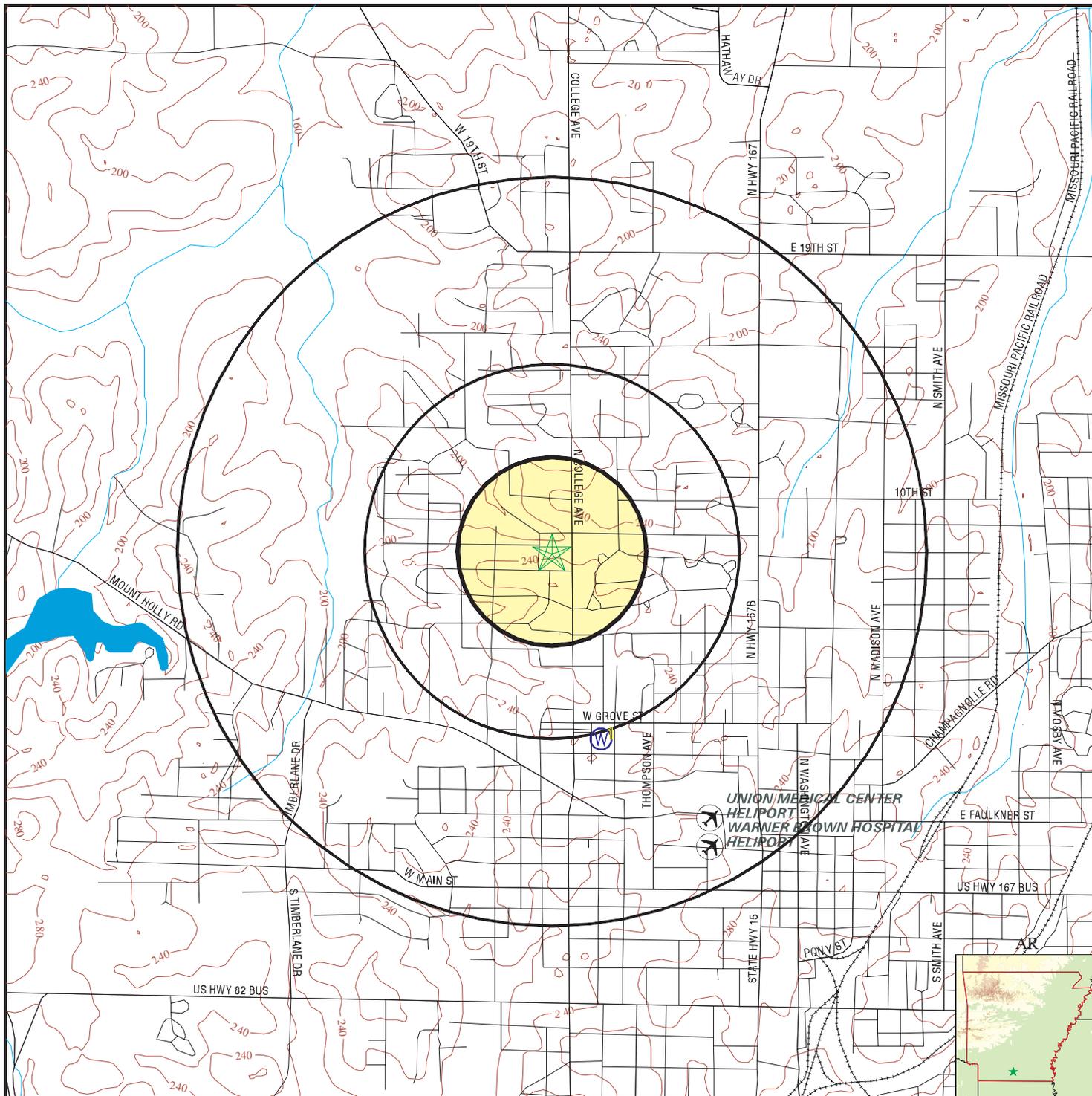
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

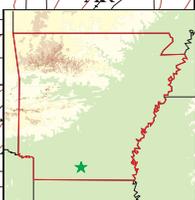
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 1715401.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data



SITE NAME: Rufus N. Garrett Jr. USARC
 ADDRESS: 815 West 8th Street
 EI Dorado AR 71730
 LAT/LONG: 33.2249 / 92.6752

CLIENT: ENSAFE
 CONTACT: Phil Hardy
 INQUIRY #: 1715401.2s
 DATE: July 14, 2006

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
SSE
1/2 - 1 Mile
Higher

FED USGS USGS2552703

Agency cd:	AR008	Site no:	331303092402201
Site name:	17S15W29AD1		
Latitude:	331303		
Longitude:	0924022	Dec lat:	33.21762966
Dec lon:	-92.67293443	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	05
State:	05	County:	139
Country:	US	Land net:	NESES 29T 17S R 15W 5
Location map:	EL DORADO WEST, AR	Map scale:	24000
Altitude:	Not Reported	Altitude method:	Not Reported
Altitude accuracy:	Not Reported	Altitude datum:	Not Reported
Hydrologic:	Lower OuachitaSmackover. Arkansas. Area = 1810 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Interconnected wells, also called connector or drainage wells		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	712	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	00700
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for UNION County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 71730

Number of sites tested: 29

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.503 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.900 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands, Swamps, or Marshes

Source: Center for Advanced Spatial Technologies, University of Arkansas

Telephone: 605-594-6933

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Arkansas Community Public Water Systems

Source: Health Department

Telephone: 501-661-2623

OTHER STATE DATABASE INFORMATION

RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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"Linking Technology with Tradition"®

Sanborn® Map Report

Ship To: Phil Hardy

ENSAFE

5724 Summer Trees Drive

Memphis, TN 38134

Order Date: 7/14/2006 **Completion Date:** 7/14/2006

Inquiry #: 1715401.3

P.O. #: 0888802978 0003 TS01

Site Name: Rufus N. Garrett Jr. USARC

Address: 815 West 8th Street

City/State: El Dorado, AR 71730

Cross Streets:

Customer Project: TEJV-ECP Proj.

1013941ERN

901-372-7962

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

NO COVERAGE

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EDR® Environmental
Data Resources Inc

EDR Historical Topographic Map Report

**Rufus N. Garrett Jr. USARC
815 West 8th Street
El Dorado, AR 71730**

Inquiry Number: 1715401.4

July 14, 2006

The Standard in Environmental Risk Management Information

**440 Wheelers Farms Road
Milford, Connecticut 06461**

Nationwide Customer Service

Telephone: 1-800-352-0050

Fax: 1-800-231-6802

Internet: www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.'s (EDR) Historical Topographic Map Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR Historical Topographic Map Report includes a search of available public and private color historical topographic map collections. For more than a century, the USGS has been creating and revising topographic maps for the entire country at a variety of scales. There are about 60,000 U.S. Geological Survey (USGS) produced topographic maps covering the United States.

References

To meet the prior use requirements of ASTM E 1527-05, Section 8.3.2, the following *standard historical sources* may be used: aerial photographs, fire insurance maps, property tax files, land title records (although these cannot be the sole historical source consulted), topographic maps, city directories, building department records, or zoning/land use records. ASTM E 1527-05, Section 8.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. ASTM E 1527-05 requires *"All obvious uses of the property shall be identified from the present, back to the property's first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary and both reasonably ascertainable and likely to be useful."* (ASTM E 1527-05, Section 8.3.2) *Reasonably ascertainable means information that is publicly available, obtainable from a source within reasonable time and cost constraints, and practically reviewable.*

EPA's Standards and Practices for All Appropriate Inquiries (AAI), Section § 312.24, identifies the historical sources of information necessary to achieve the objectives and performance factors of § 312.20. According to AAI, *"historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."*

References

In order to address data gaps, additional sources of information may be consulted. According to the AAI, Section § 312.20 (g), *"to the extent there are data gaps (as defined in § 312.10) in the information developed...that affect the ability of persons (including the environmental professional) conducting the all appropriate inquiries to identify conditions indicative of releases or threatened releases...such persons should identify such data gaps, identify the sources of information consulted to address such data gaps, and comment upon the significance of such data gaps."* According to ASTM E 1527-05, Section 8.3.2.3, *"historical research is complete when either: (1) the objectives in 8.3.1 through 8.3.2.2 are achieved; or (2) data failure is encountered. Data failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met....If data failure is encountered, the report shall document the failure and, if any of the standard historical sources were excluded, give the reasons for their exclusion."*

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The EDR Aerial Photo Decade Package

**Rufus N. Garrett Jr. USARC
815 West 8th Street
El Dorado, AR 71730**

Inquiry Number: 1715401.5

July 14, 2006



**EDR® Environmental
Data Resources Inc**

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

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Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

This document reports that EDR searched its own collection or select outside repository collections of aerial photography, and based on client-supplied target property information, aerial photography, including the target property was not deemed reasonably ascertainable by Environmental Data Resources, Inc. (EDR). This no coverage determination reflects a search only of aerial photography repository collections that EDR accessed. It can not be concluded from this search that no coverage for the target property exists anywhere, in any collection.

NO COVERAGE

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR® Environmental
Data Resources Inc

The EDR-City Directory
Abstract

Rufus N. Garrett Jr. USARC
815 West 8th Street
El Dorado, AR 71730

Inquiry Number: 1715401.6

Monday, July 17, 2006

**The Standard in
Environmental Risk
Management Information**

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
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EDR City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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SUMMARY

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1963 through 2006. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

Date EDR Searched Historical Sources: July 17, 2006

Target Property:

815 West 8th Street
El Dorado, AR 71730

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1963	Address Not Listed in Research Source	Polk's City Directory
1966	Address Not Listed in Research Source	Polk's City Directory
1971	Address Not Listed in Research Source	Polk's City Directory
1976	Address Not Listed in Research Source	Polk's City Directory
1981	Address Not Listed in Research Source	Polk's City Directory
1986	Address Not Listed in Research Source	Polk's City Directory
1991	Address Not Listed in Research Source	Polk's City Directory
1996	Address Not Listed in Research Source	Polk's City Directory
2001	U S Army Reserve Center	Polk's City Directory
	U S Governmentn MMC	Polk's City Directory
2006	U S Army Reserve Center	Polk's City Directory

Adjoining Properties

SURROUNDING

Multiple Addresses
El Dorado, AR 71730

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1963	** WEST 8TH STREET **	Polk's City Directory
	Saint Paul United Methodist Church (700)	Polk's City Directory
	Address not listed in research source (905)	Polk's City Directory
	Address not listed in research source (909)	Polk's City Directory
	Address not listed in research source (910)	Polk's City Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1963	No other addresses in 700- 905 block West 8Th Street	Polk's City Directory
	<u>** N MURPHY AVE **</u>	Polk's City Directory
	Address not listed in research source (1220)	Polk's City Directory
1966	<u>** WEST 8TH STREET **</u>	Polk's City Directory
	Saint Paul United Methodist Church (700)	Polk's City Directory
	Residence (905)	Polk's City Directory
	Residence (909)	Polk's City Directory
	Residence (910)	Polk's City Directory
	No other addresses in 700- 905 block West 8Th Street	Polk's City Directory
	<u>** N MURPHY AVE **</u>	Polk's City Directory
	Address not listed in research source (1220)	Polk's City Directory
1971	<u>** WEST 8TH STREET **</u>	Polk's City Directory
	Saint Paul United Methodist Church (700)	Polk's City Directory
	Residence (905)	Polk's City Directory
	Residence (909)	Polk's City Directory
	Residence (910)	Polk's City Directory
	No other addresses in 700- 905 block West 8Th Street	Polk's City Directory
	<u>** N MURPHY AVE **</u>	Polk's City Directory
	Simpson's Garage (1220)	Polk's City Directory
1976	<u>** WEST 8TH STREET **</u>	Polk's City Directory
	Saint Paul United Methodist Church (700)	Polk's City Directory
	Residence (905)	Polk's City Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	Residence (909)	Polk's City Directory
	Residence (910)	Polk's City Directory
	No other addresses in 700- 905 block West 8Th Street	Polk's City Directory
	<u>** N MURPHY AVE **</u>	Polk's City Directory
	Simpson's Garage (1220)	Polk's City Directory
1981	<u>** WEST 8TH STREET **</u>	Polk's City Directory
	Saint Paul United Methodist Church (700)	Polk's City Directory
	Residence (905)	Polk's City Directory
	No Return (909)	Polk's City Directory
	Residence (910)	Polk's City Directory
	No other addresses in 700- 905 block West 8Th Street	Polk's City Directory
	<u>** N MURPHY AVE **</u>	Polk's City Directory
	Simpson's Garage (1220)	Polk's City Directory
1986	<u>** WEST 8TH STREET **</u>	Polk's City Directory
	Saint Paul United Methodist Church (700)	Polk's City Directory
	Residence (905)	Polk's City Directory
	Residence (909)	Polk's City Directory
	Residence (910)	Polk's City Directory
	No other addresses in 700- 905 block West 8Th Street	Polk's City Directory
	<u>** N MURPHY AVE **</u>	Polk's City Directory
	Simpson's Garage (1220)	Polk's City Directory
1991	<u>** WEST 8TH STREET **</u>	Polk's City Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1991	Saint Paul United Methodist Church (700)	Polk's City Directory
	Residence (905)	Polk's City Directory
	Residence (909)	Polk's City Directory
	Residence (910)	Polk's City Directory
	No other addresses in 700- 905 block West 8Th Street	Polk's City Directory
	<u>** N MURPHY AVE **</u>	Polk's City Directory
	Simpson's Garage (1220)	Polk's City Directory
1996	<u>** WEST 8TH STREET **</u>	Polk's City Directory
	Saint Paul United Methodist Church (700)	Polk's City Directory
	Residence (905)	Polk's City Directory
	Not Verified (909)	Polk's City Directory
	Residence (910)	Polk's City Directory
	No other addresses in 700- 905 block West 8Th Street	Polk's City Directory
	<u>** N MURPHY AVE **</u>	Polk's City Directory
	Simpson's Garage (1220)	Polk's City Directory
2001	<u>** WEST 8TH STREET **</u>	Polk's City Directory
	No address listings prior to the Target Property	Polk's City Directory
	Residence (905)	Polk's City Directory
	Residence (909)	Polk's City Directory
	Residence (910)	Polk's City Directory
	<u>** N MURPHY AVE **</u>	Polk's City Directory
	Simpson's Garage (1220)	Polk's City Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	<u>** WEST 8TH STREET **</u>	Polk's City Directory
	No address listings prior to the Target Property	Polk's City Directory
	Residence (905)	Polk's City Directory
	Residence (909)	Polk's City Directory
	Residence (910)	Polk's City Directory
	<u>** N MURPHY AVE **</u>	Polk's City Directory
	Simpson's Garage (1220)	Polk's City Directory